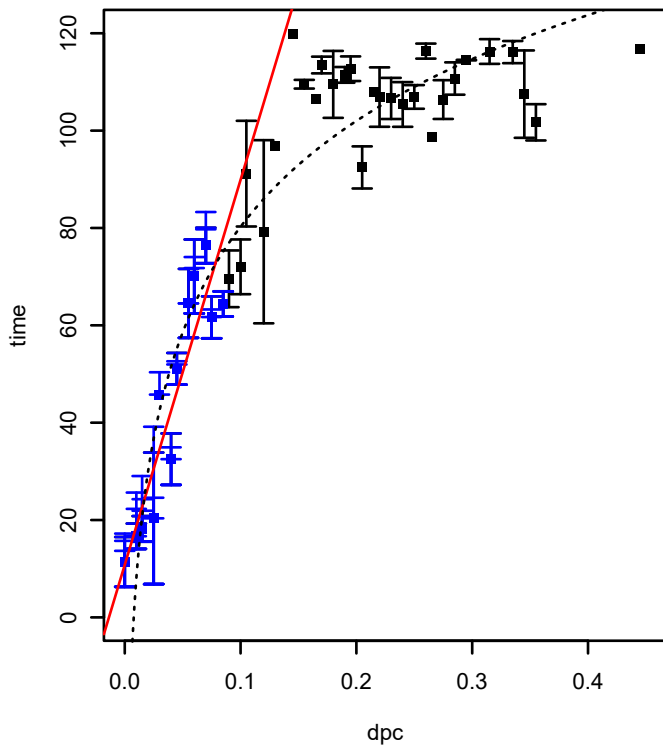
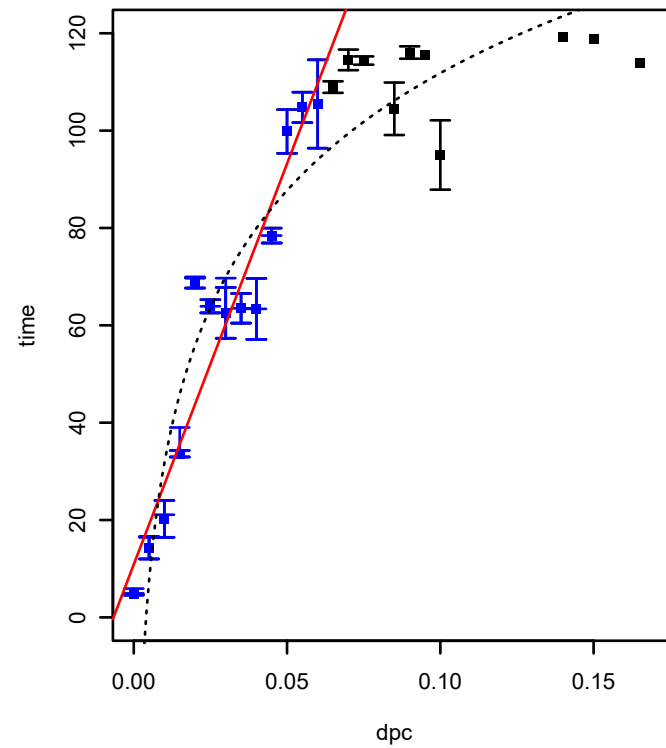
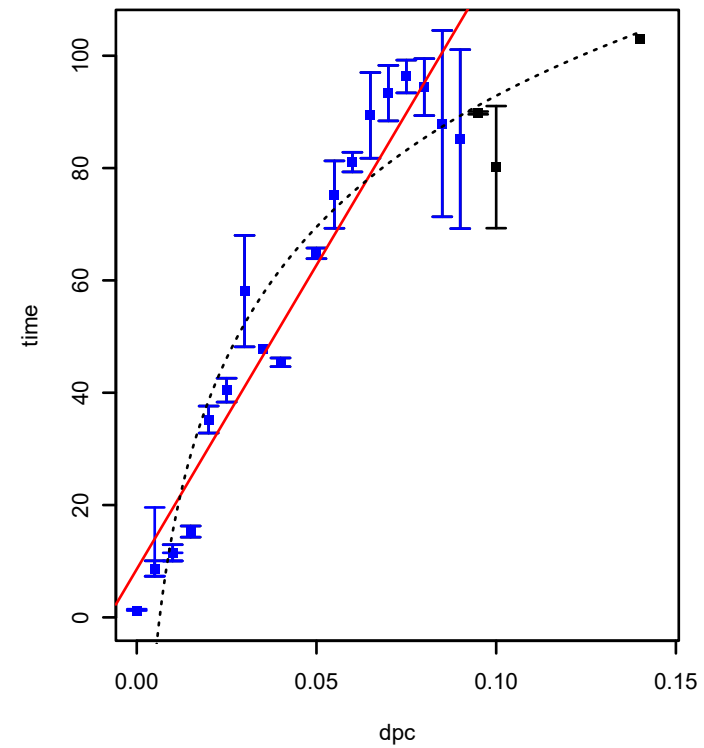
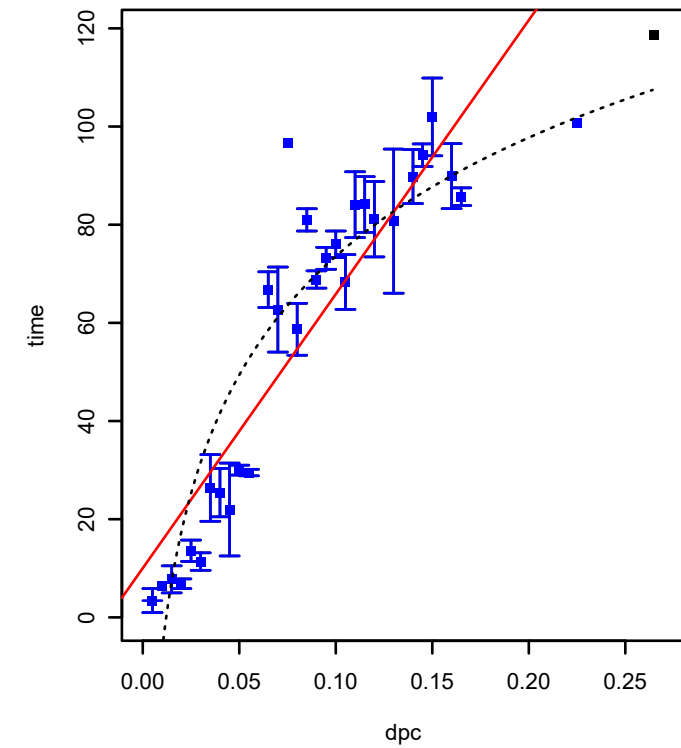
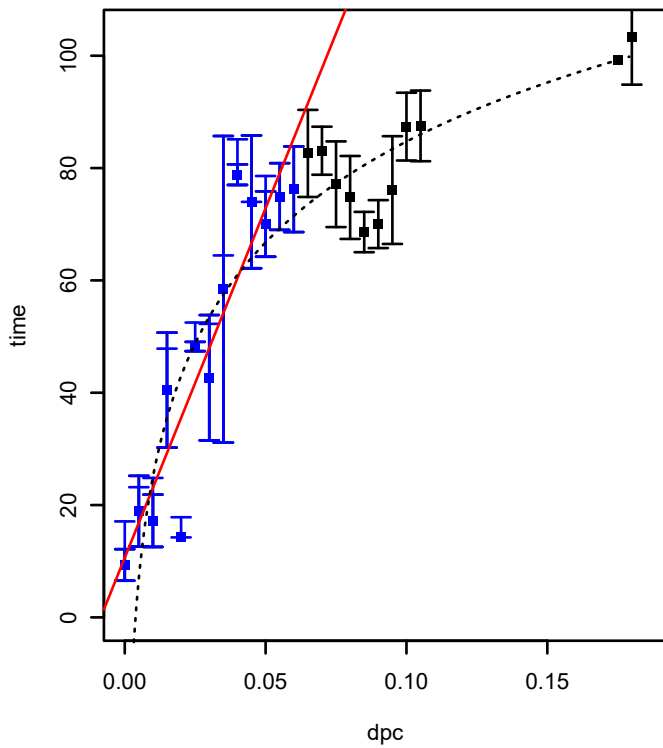
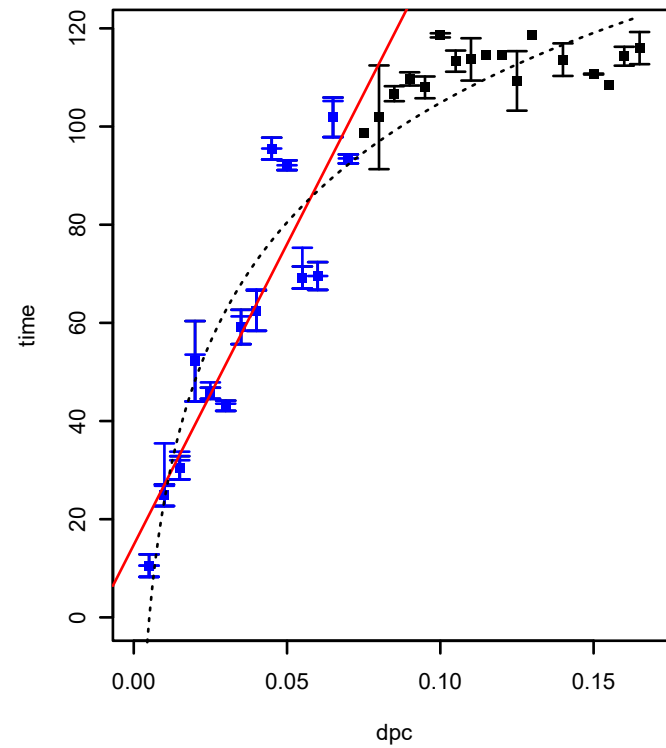
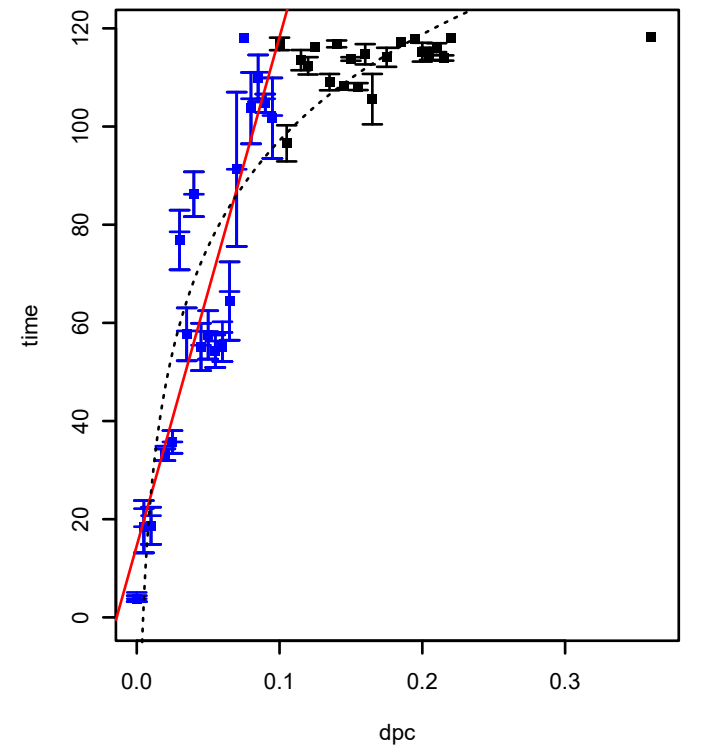
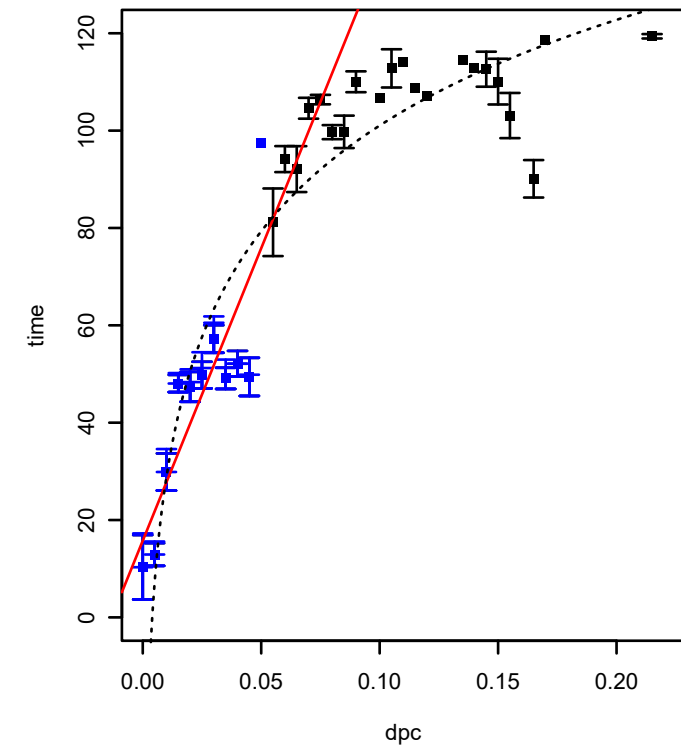
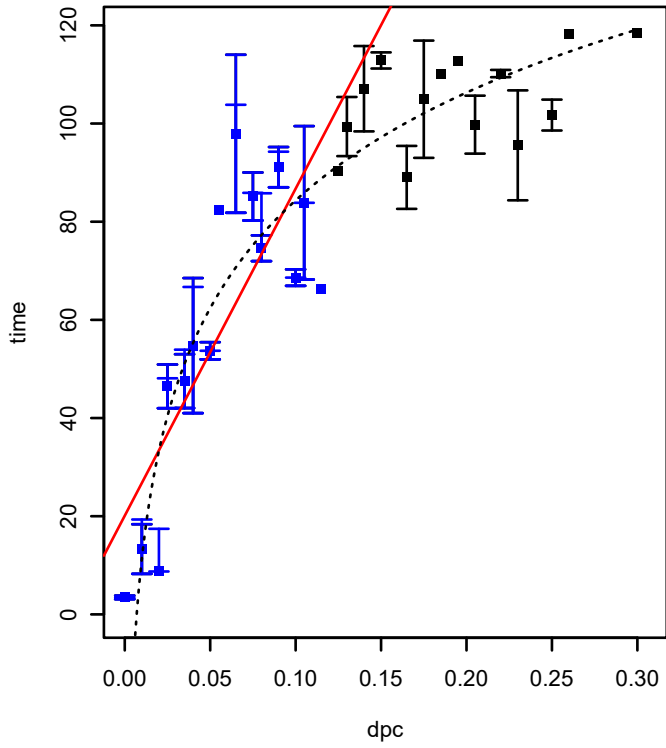
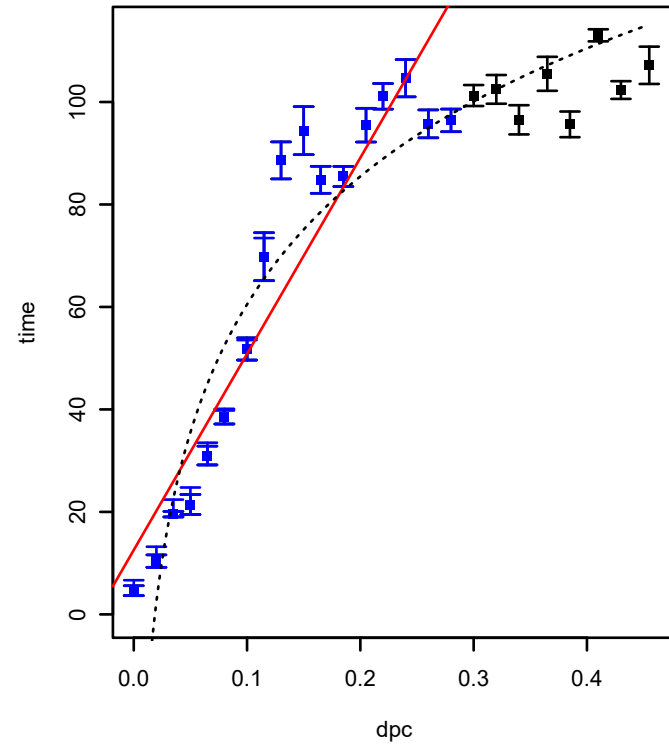
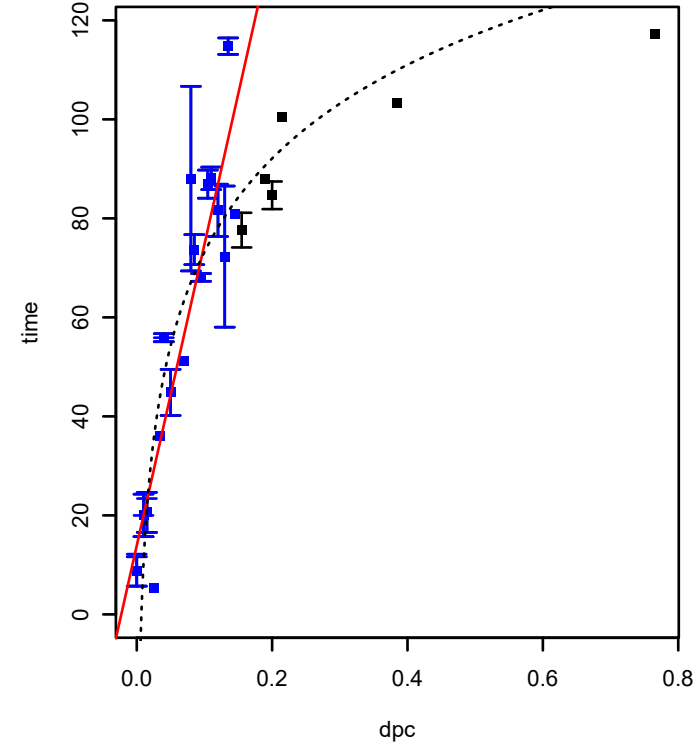
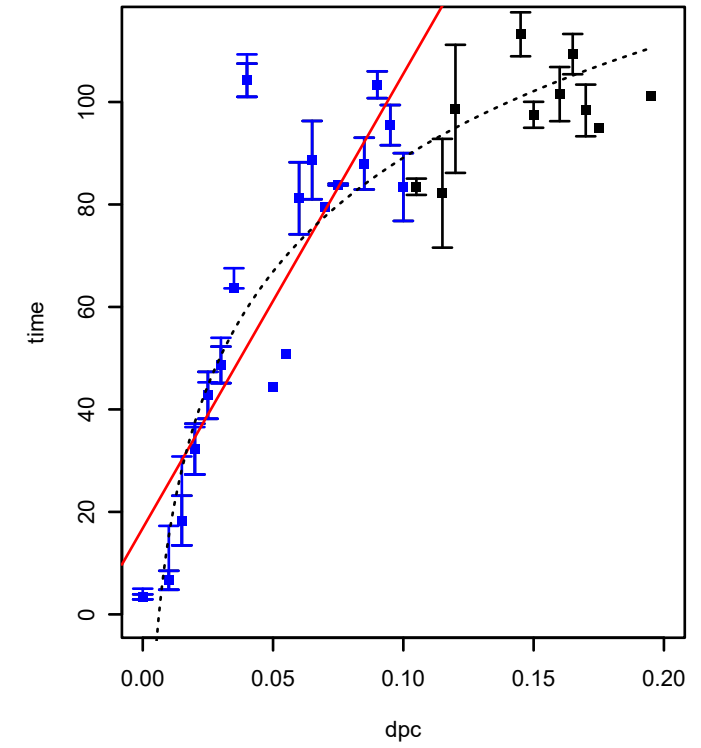
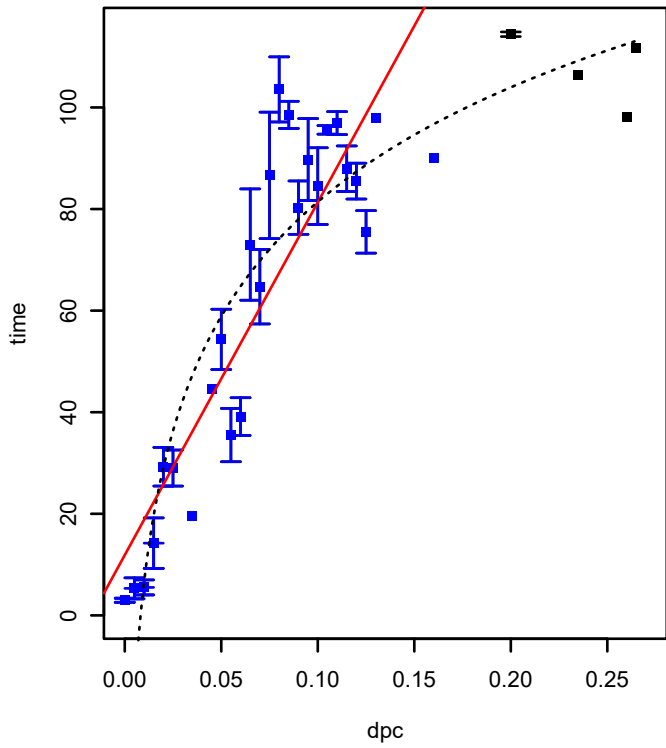
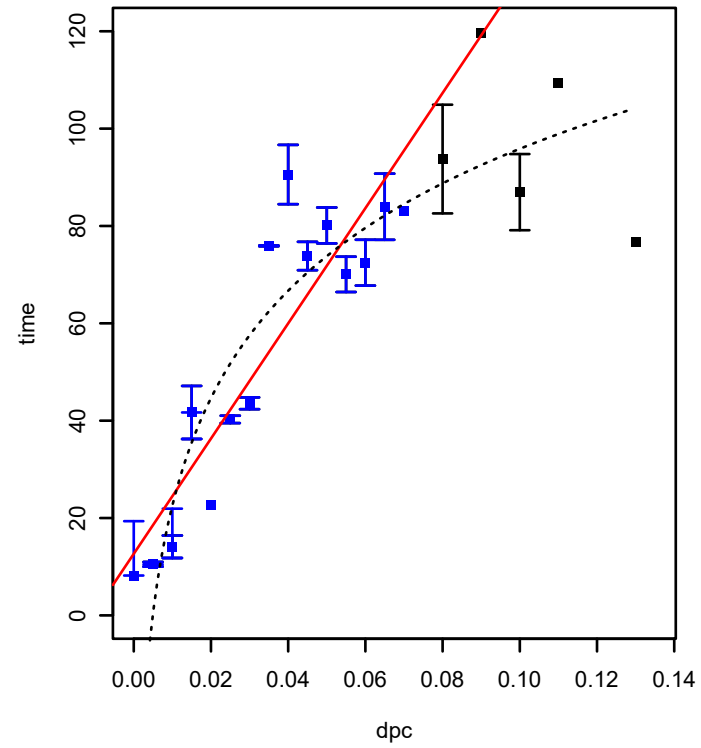
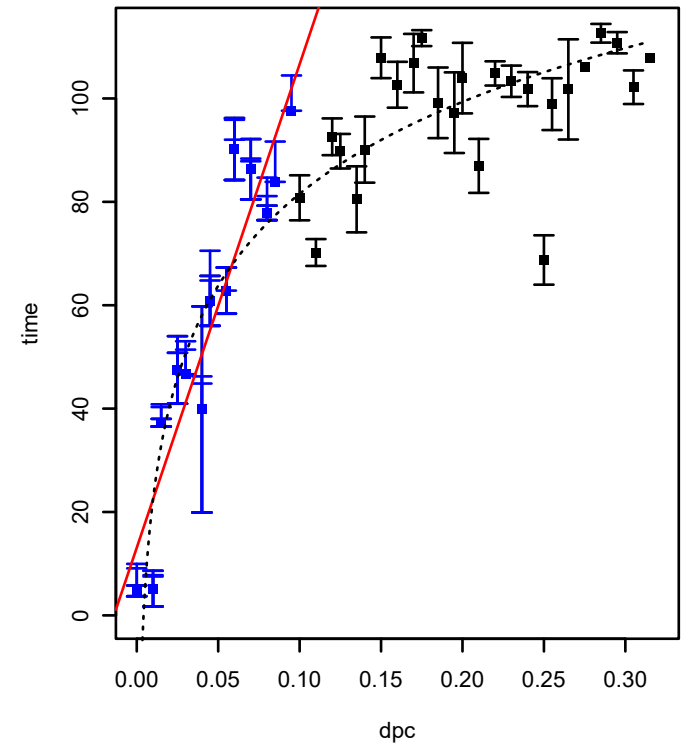
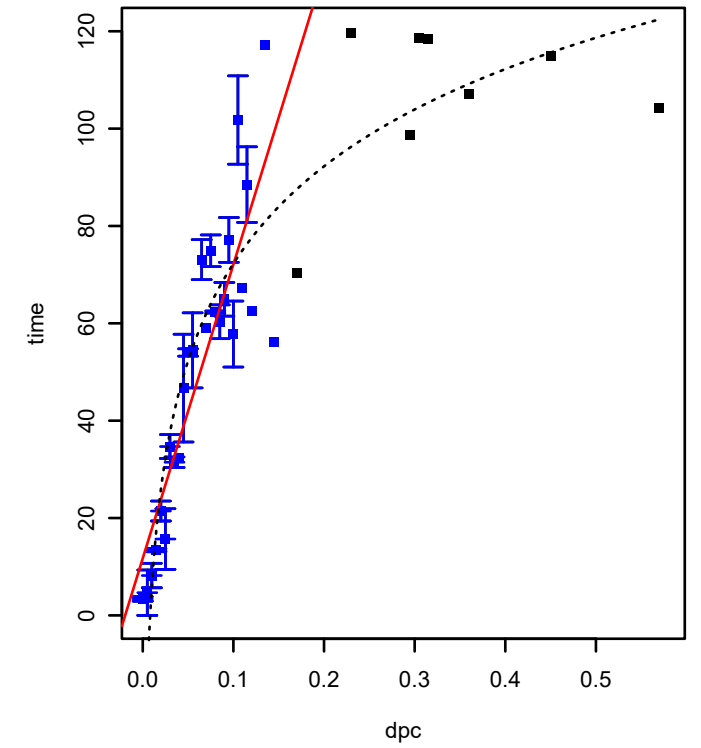
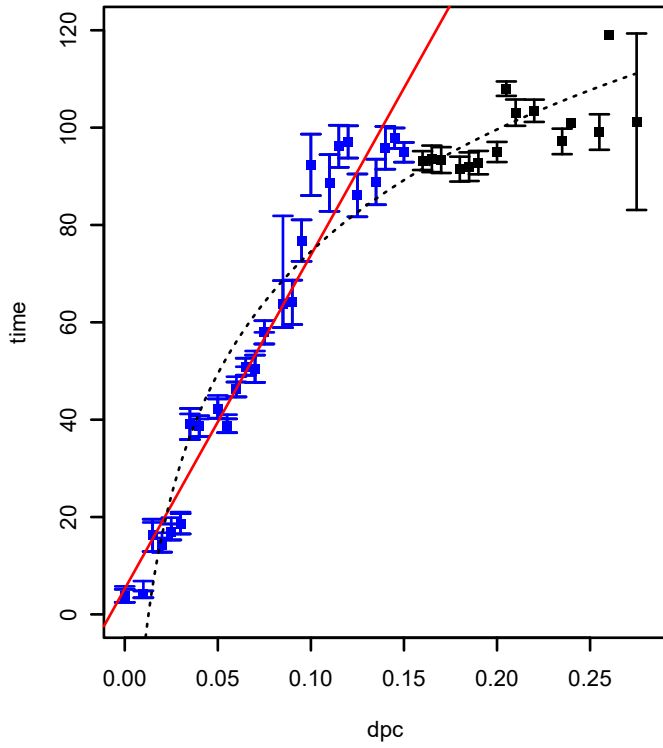
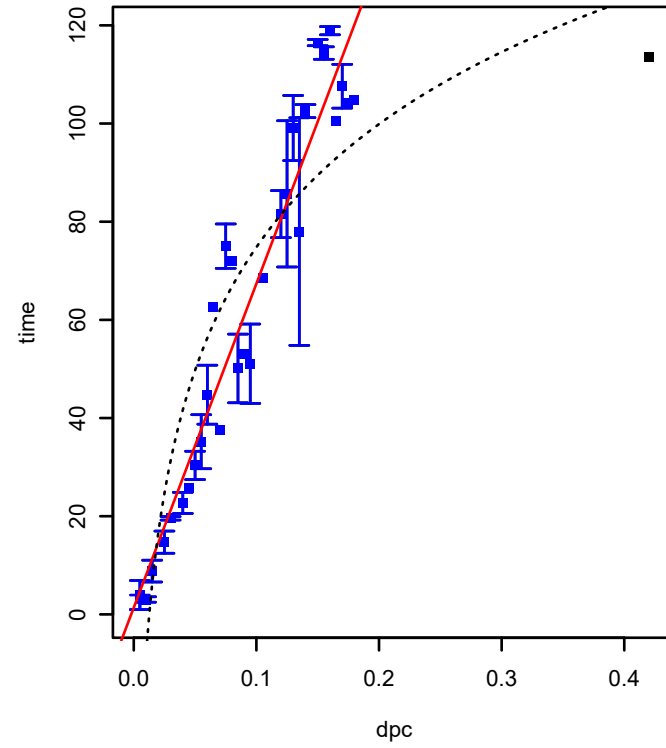
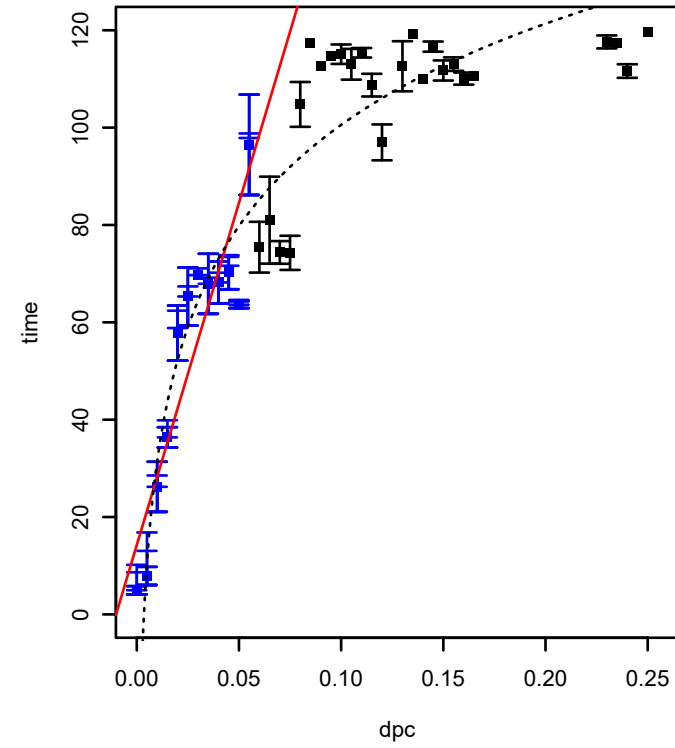
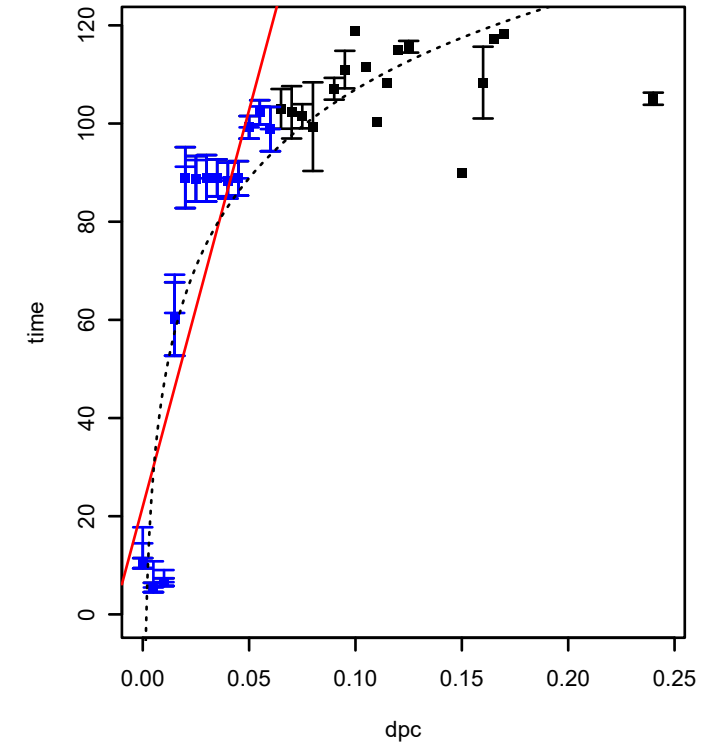
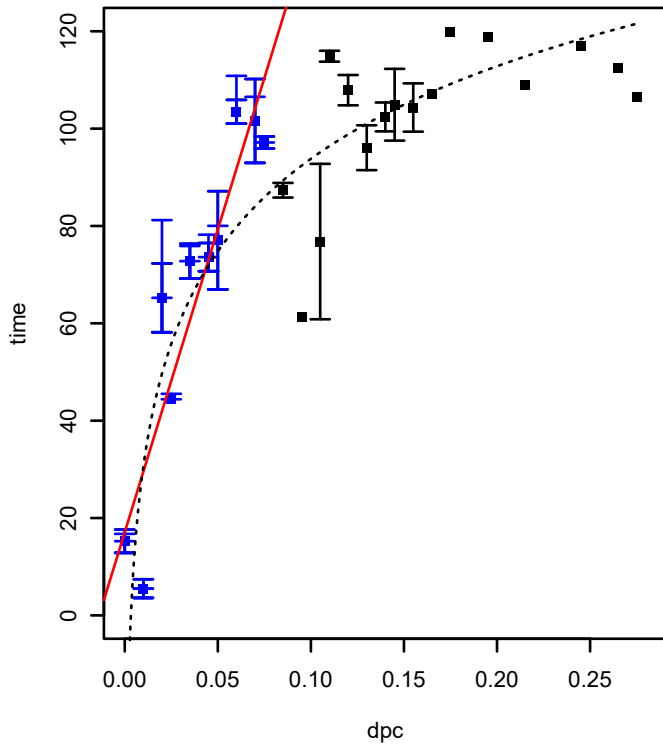
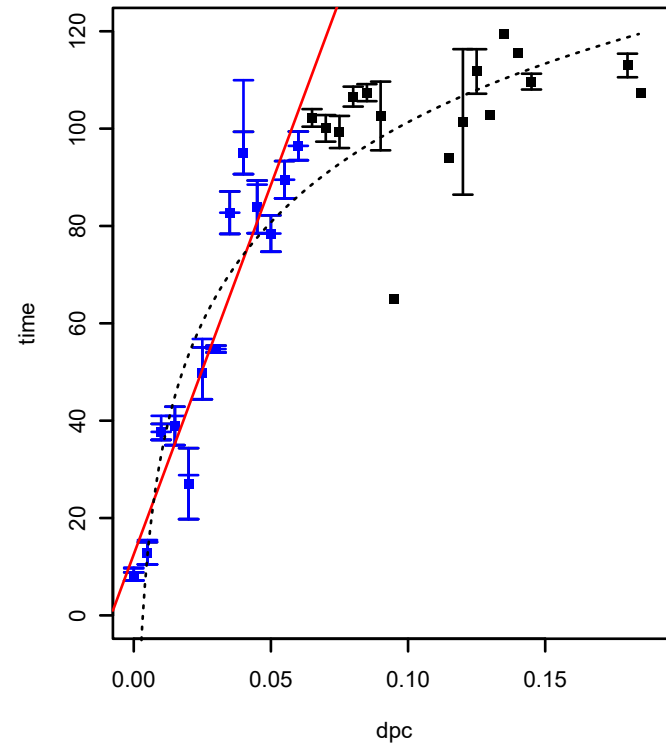
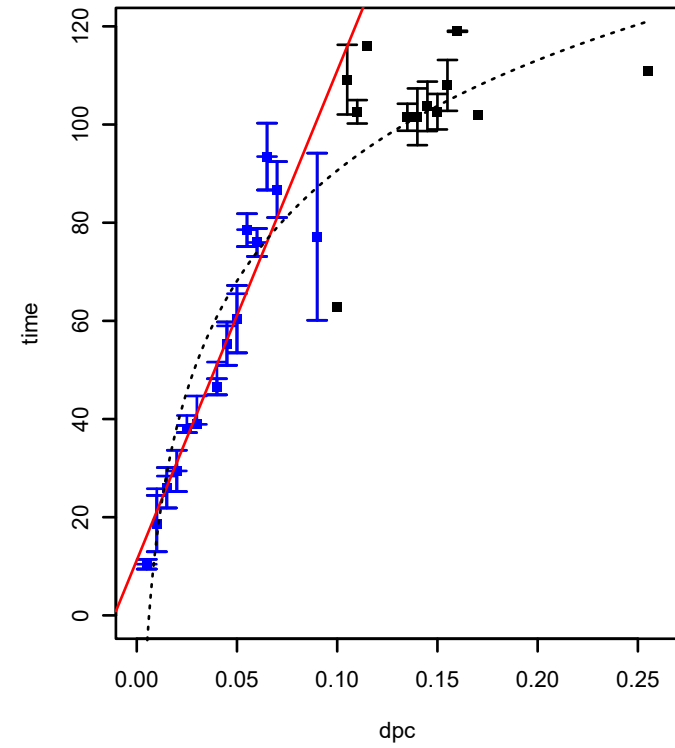
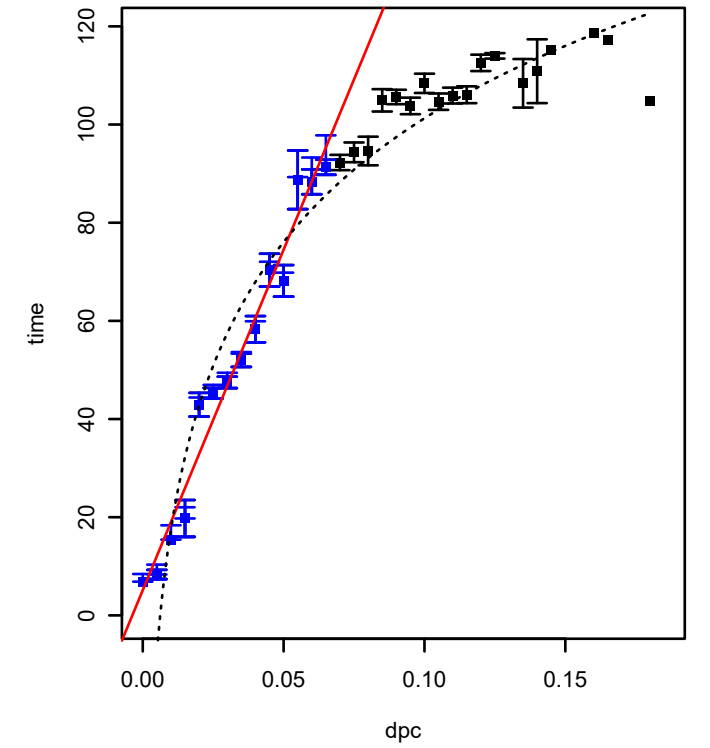
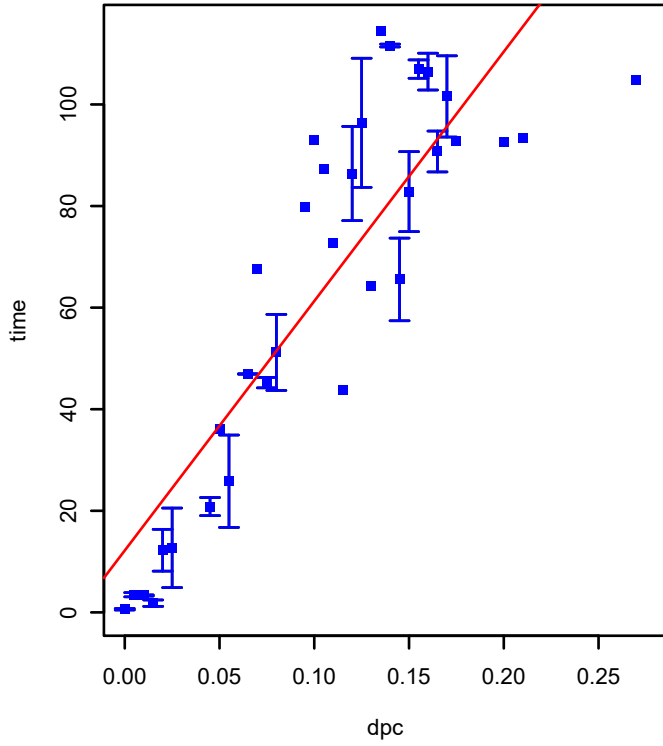
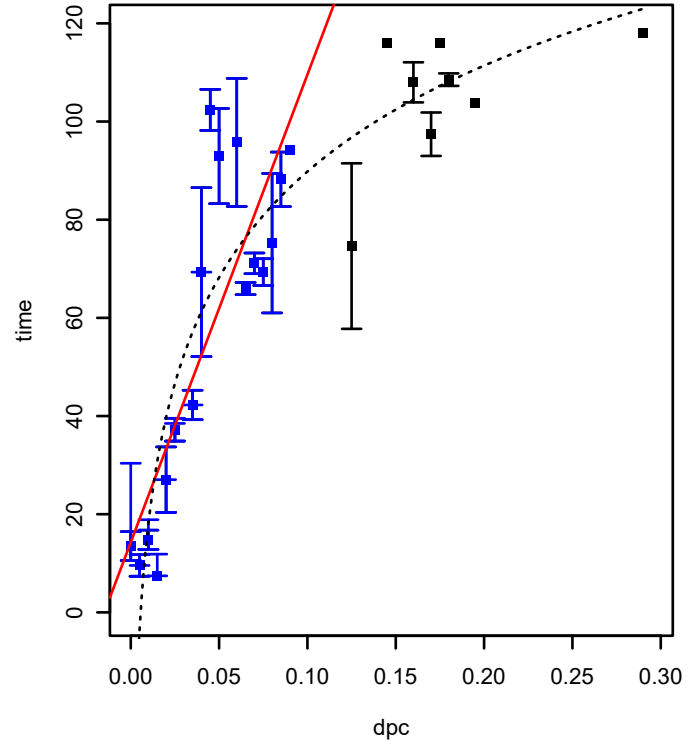
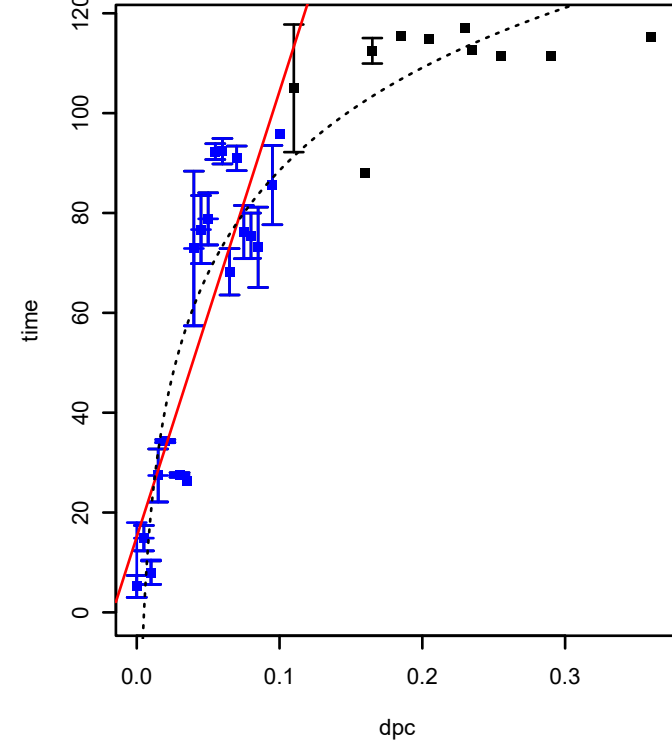
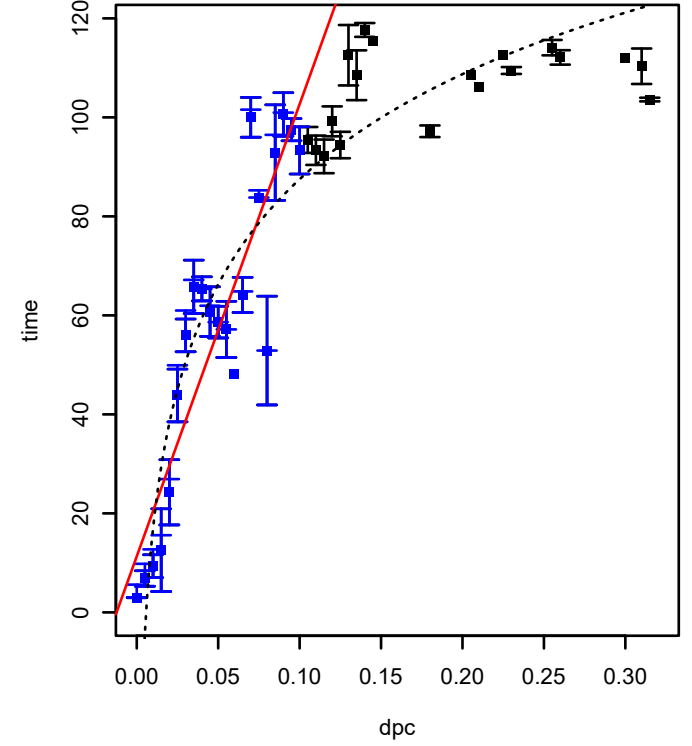
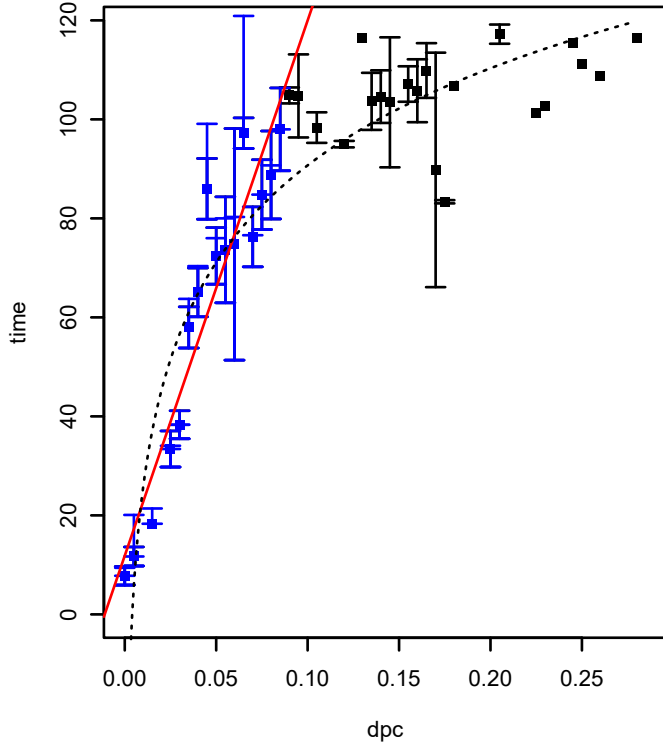
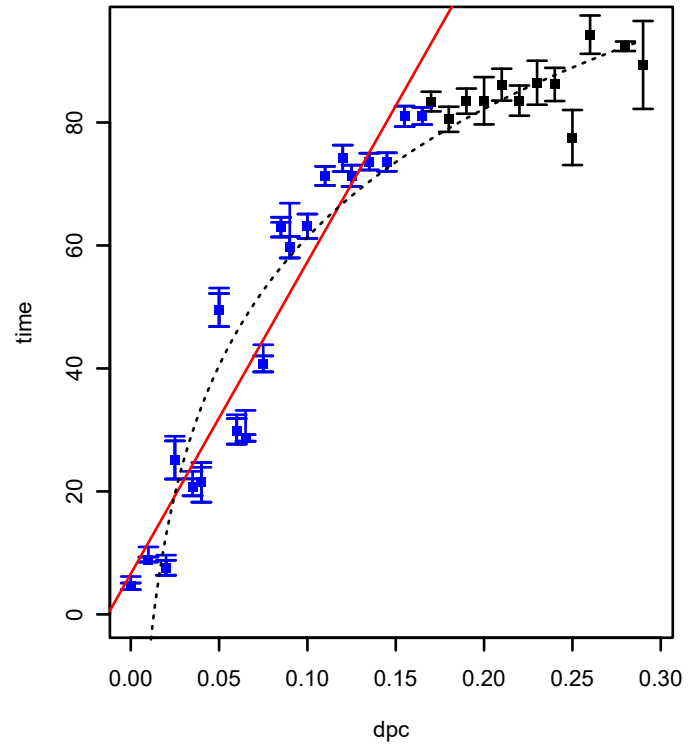
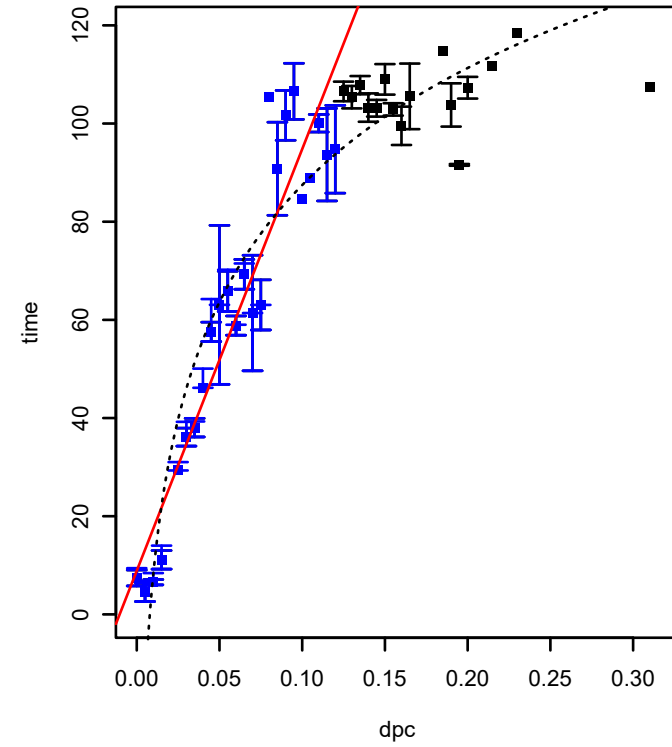
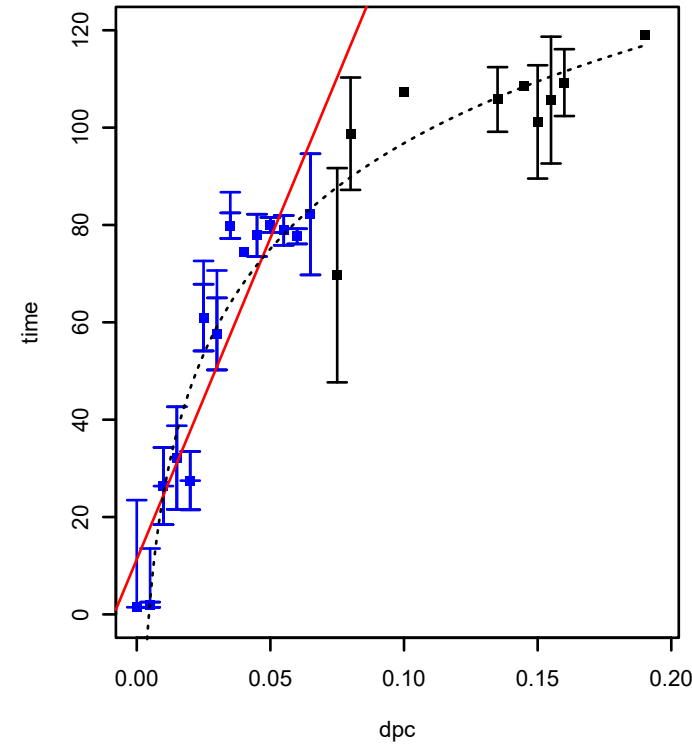


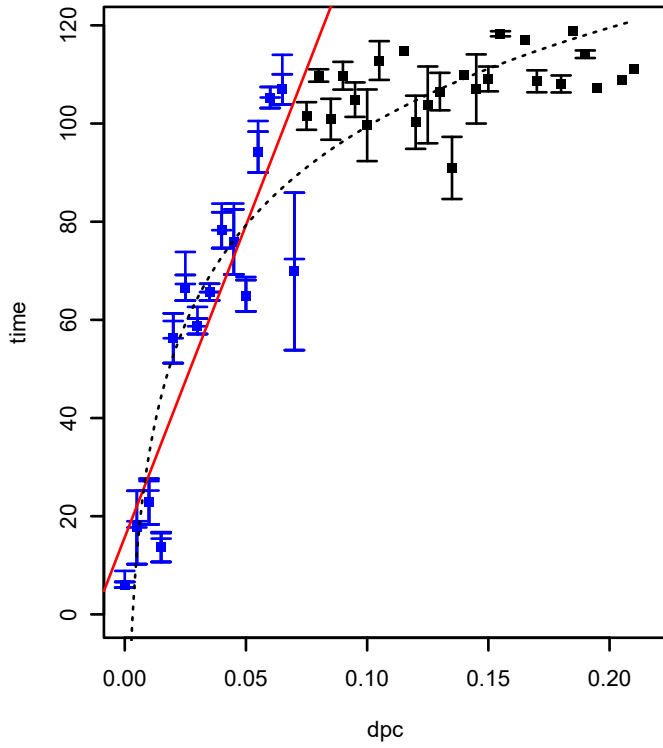
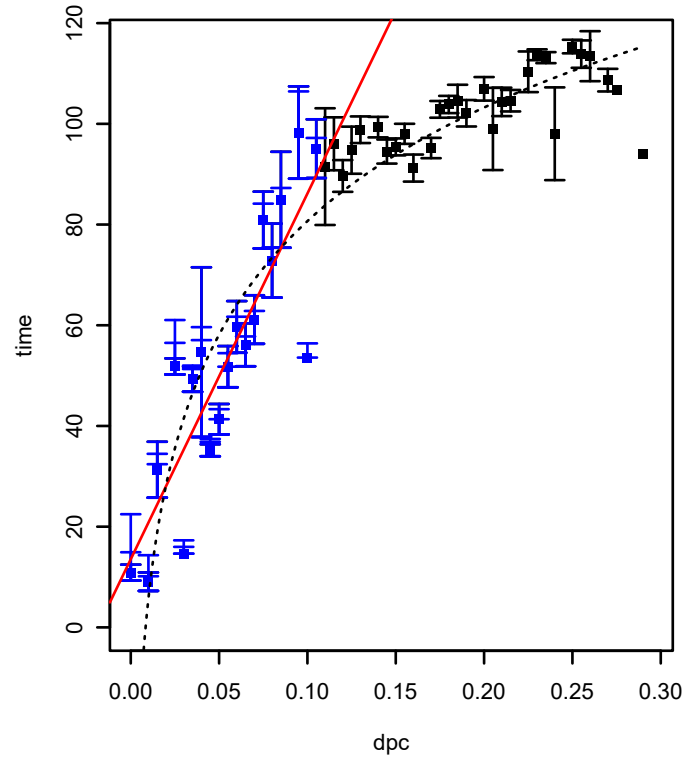
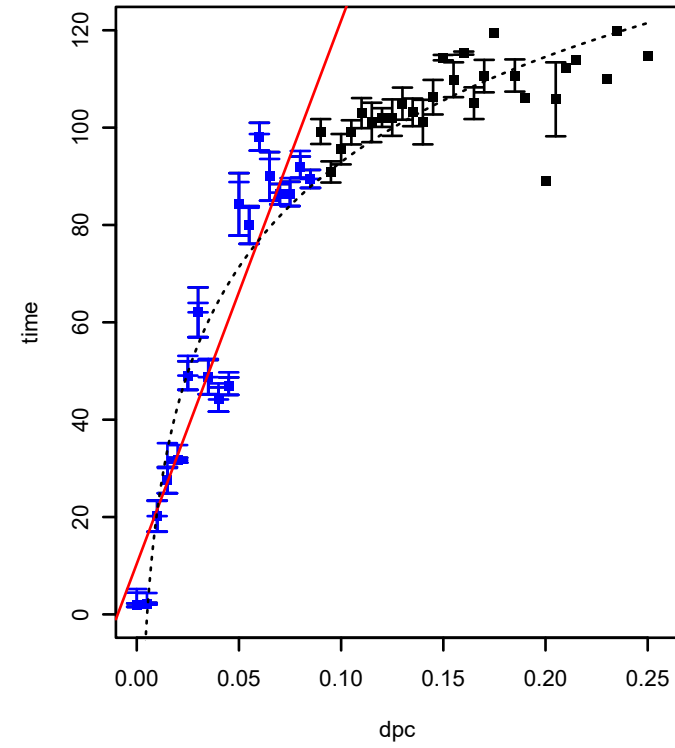
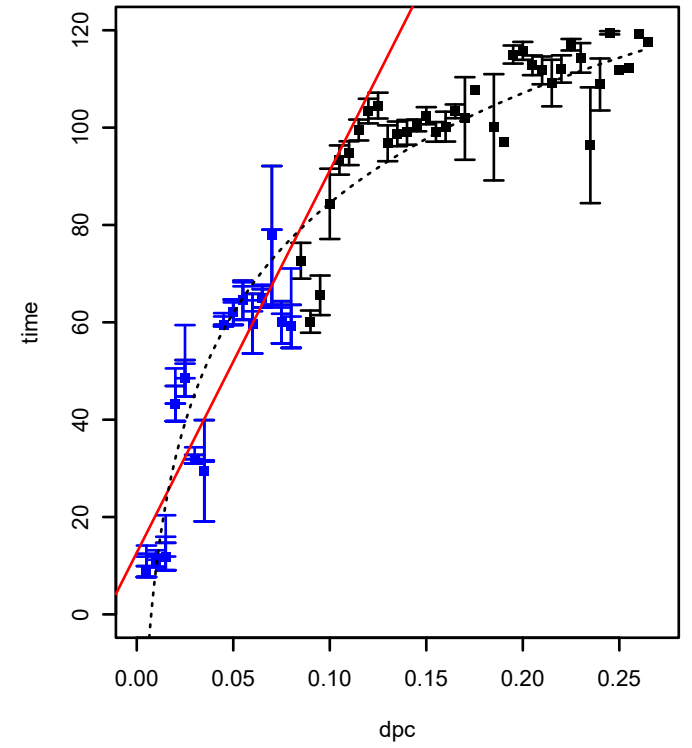
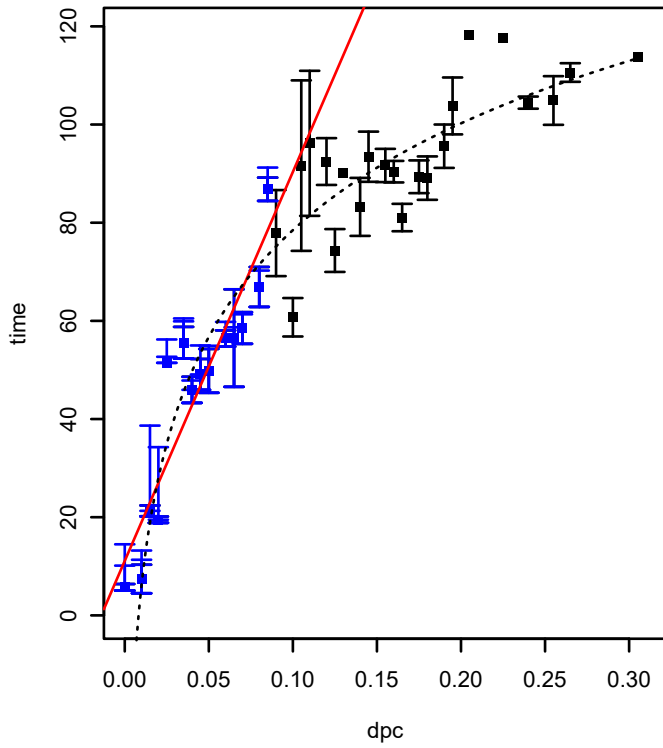
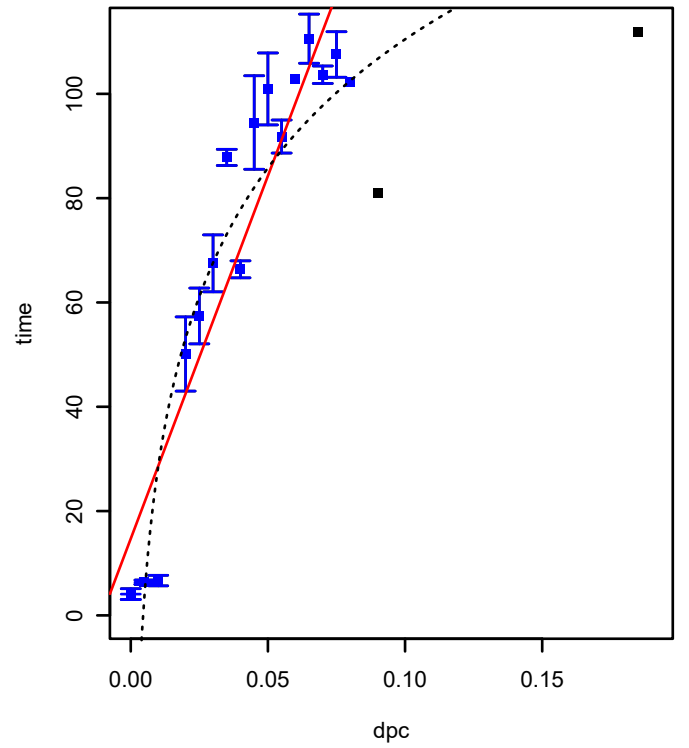
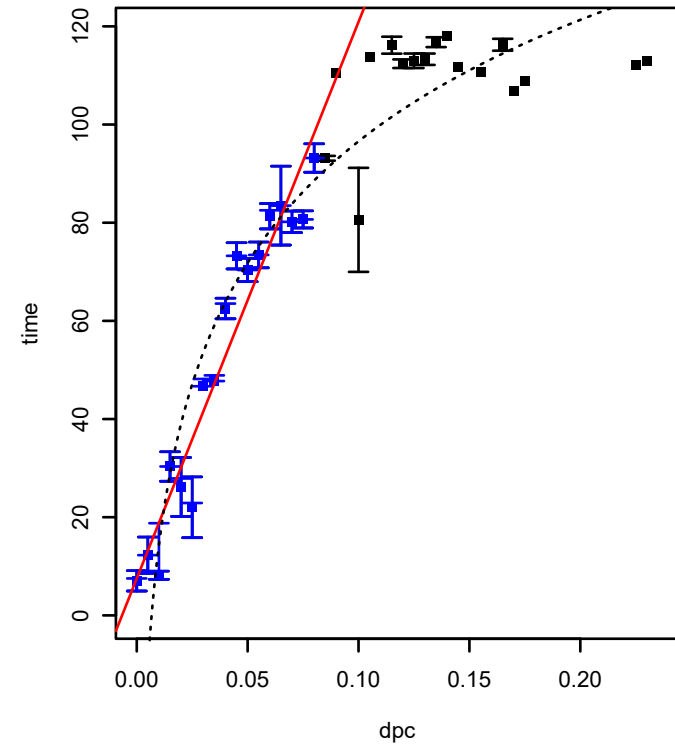
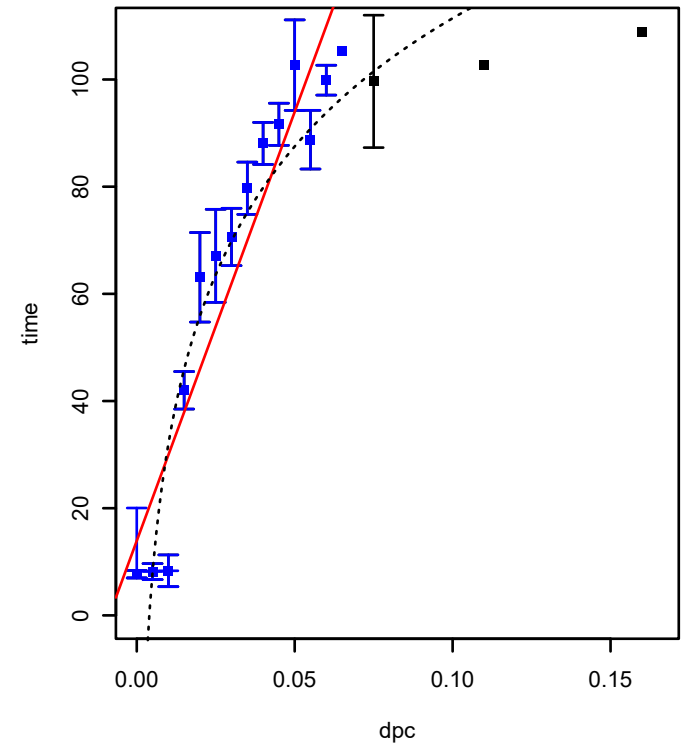
Fig. S2

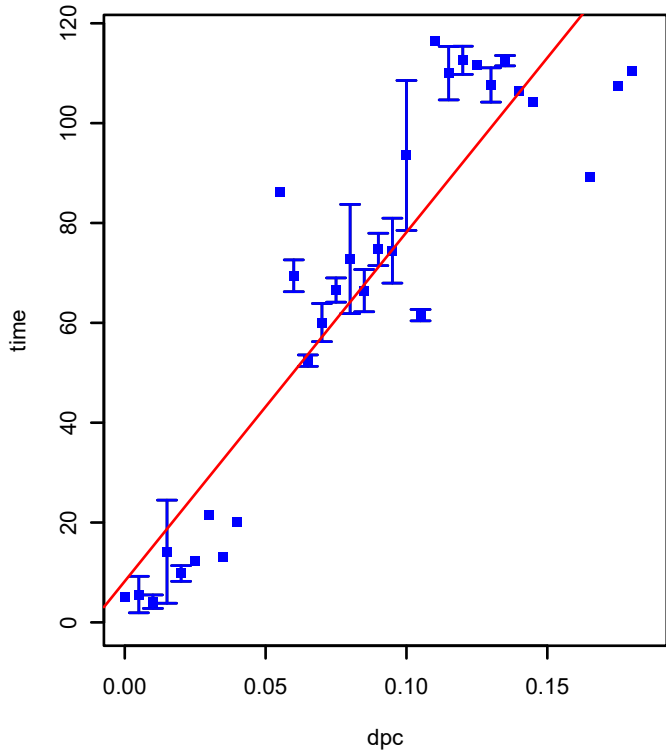
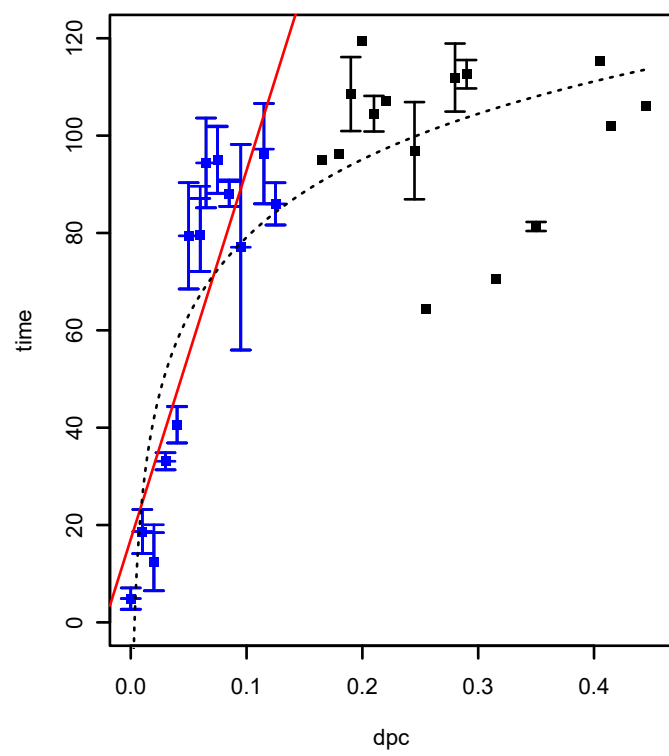
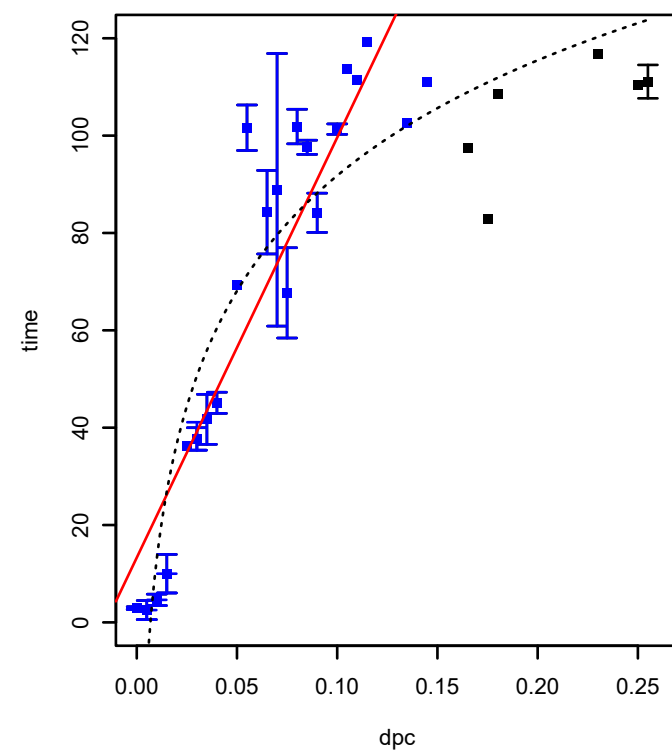
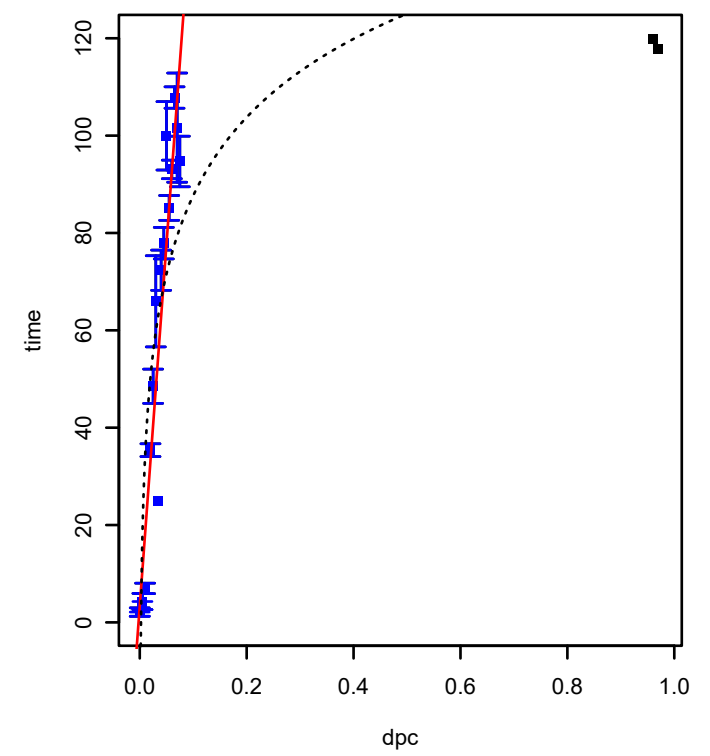
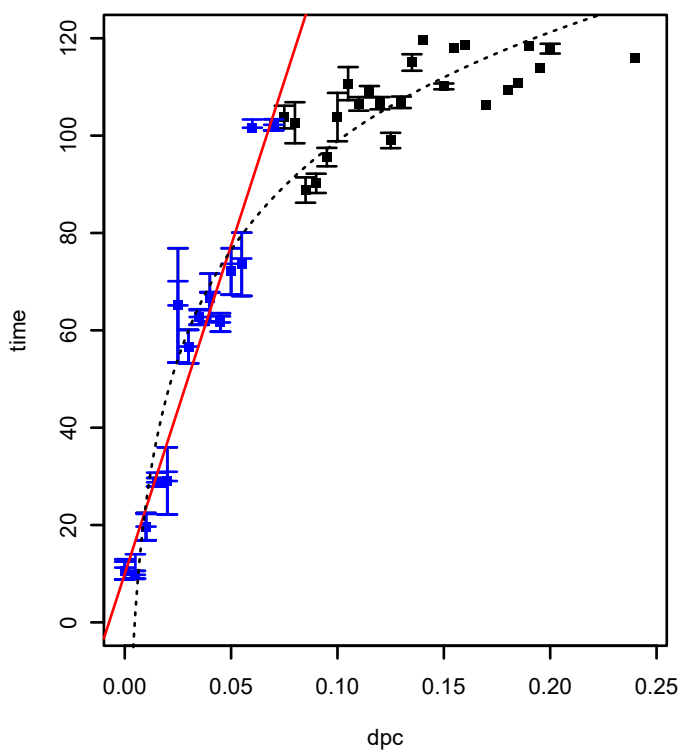
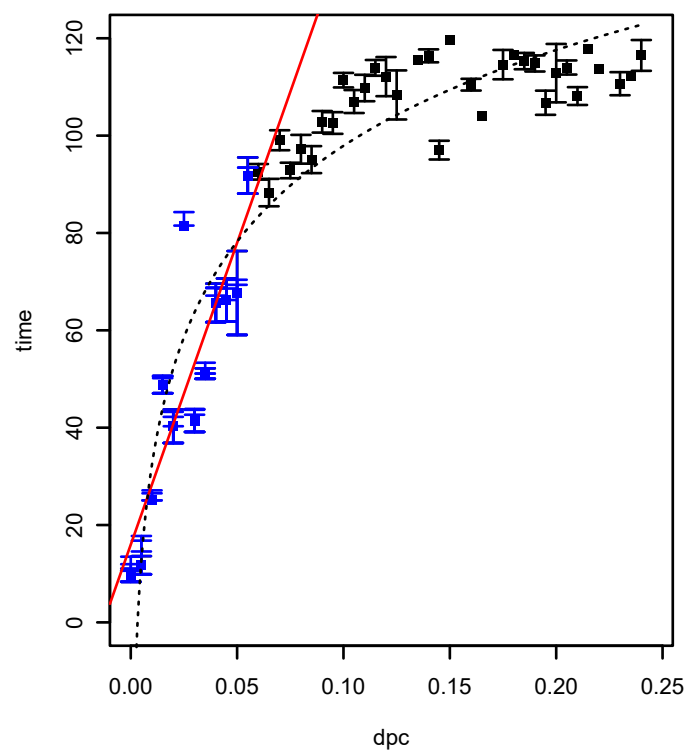
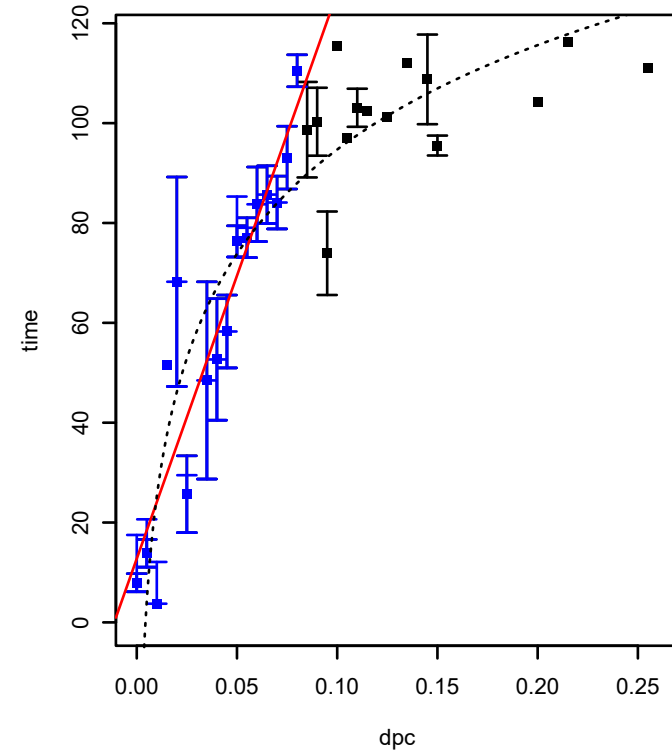
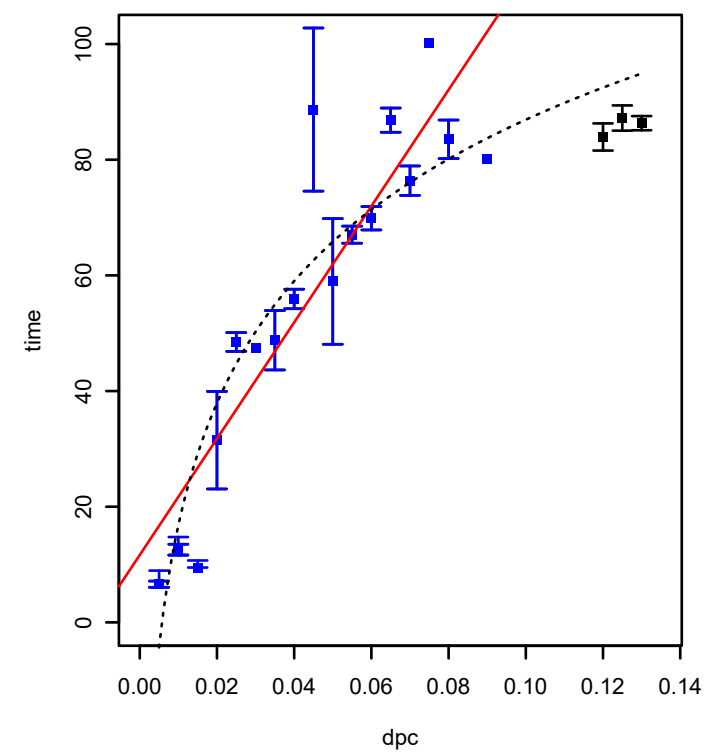
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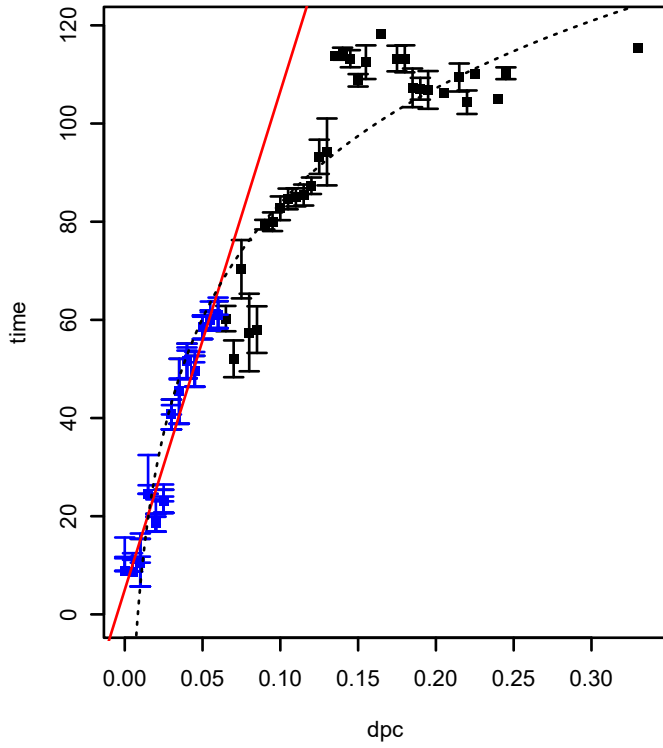
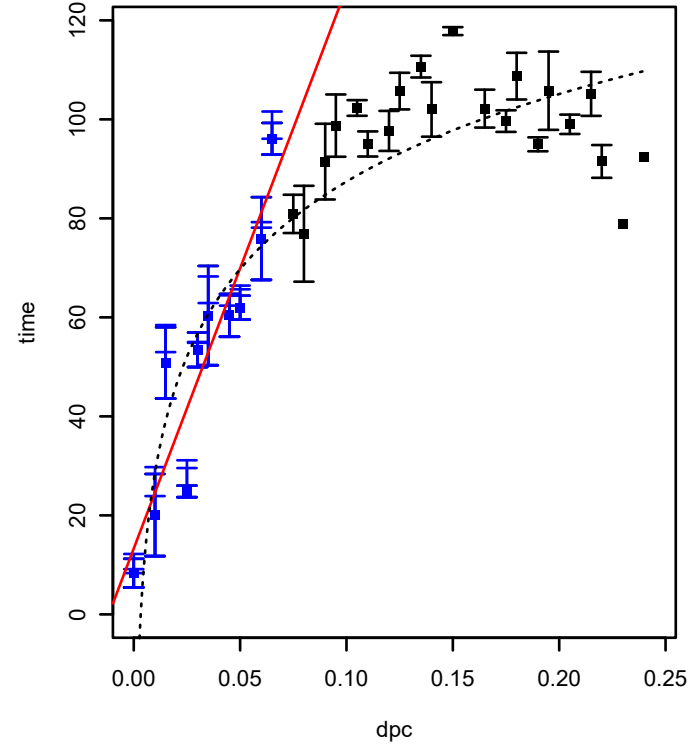
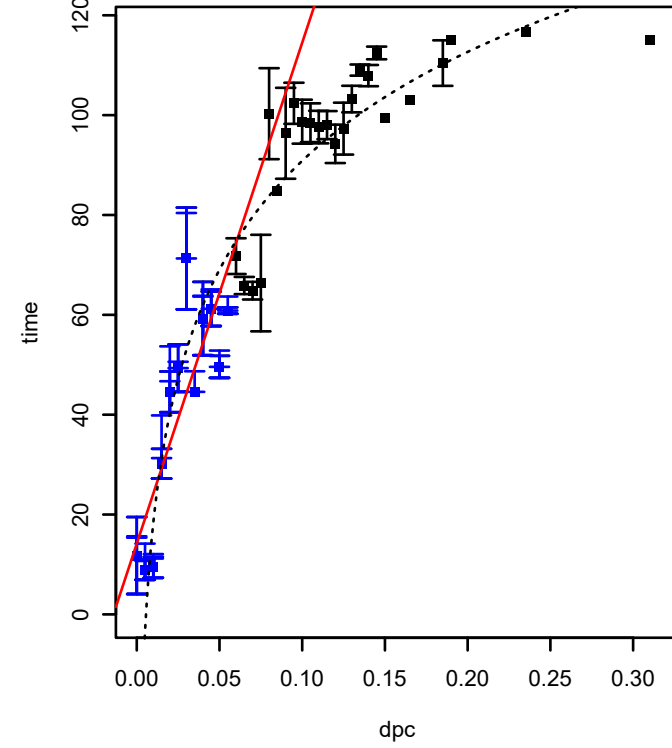
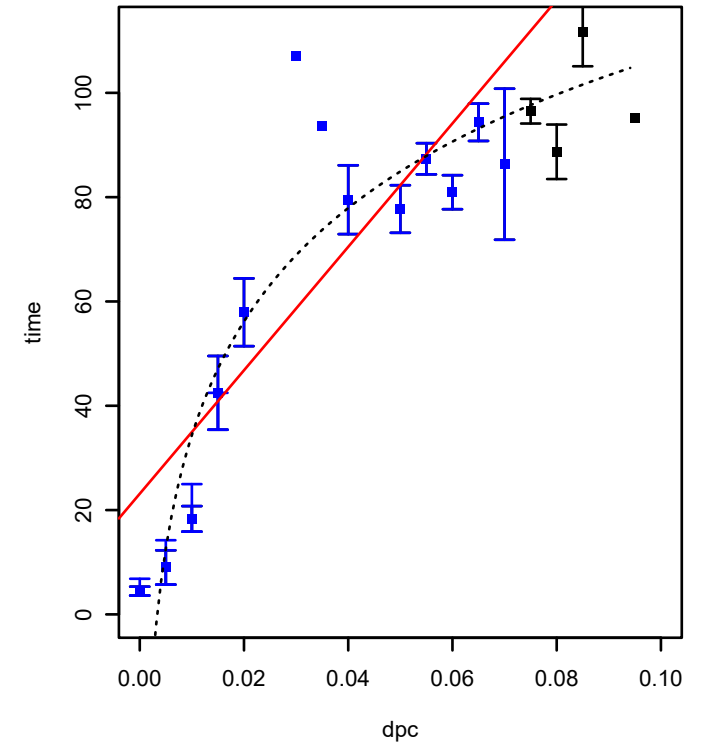
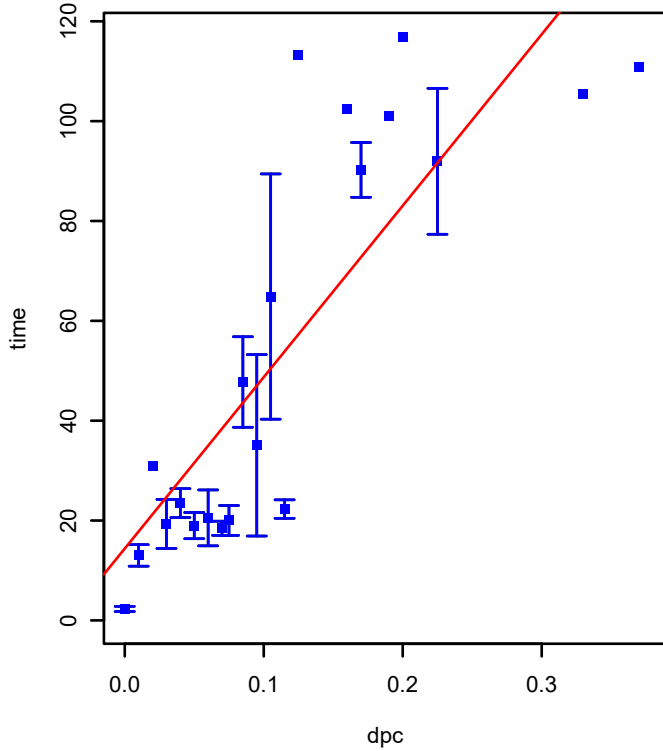
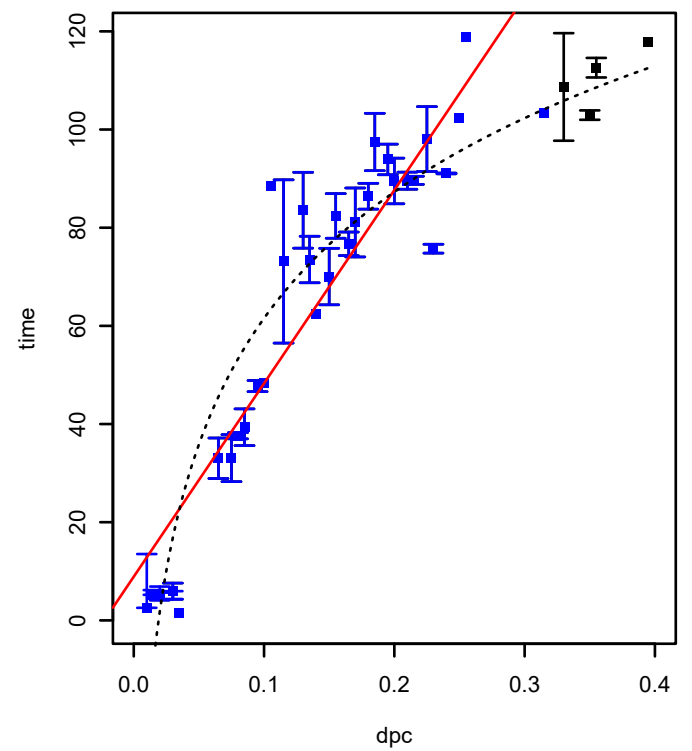
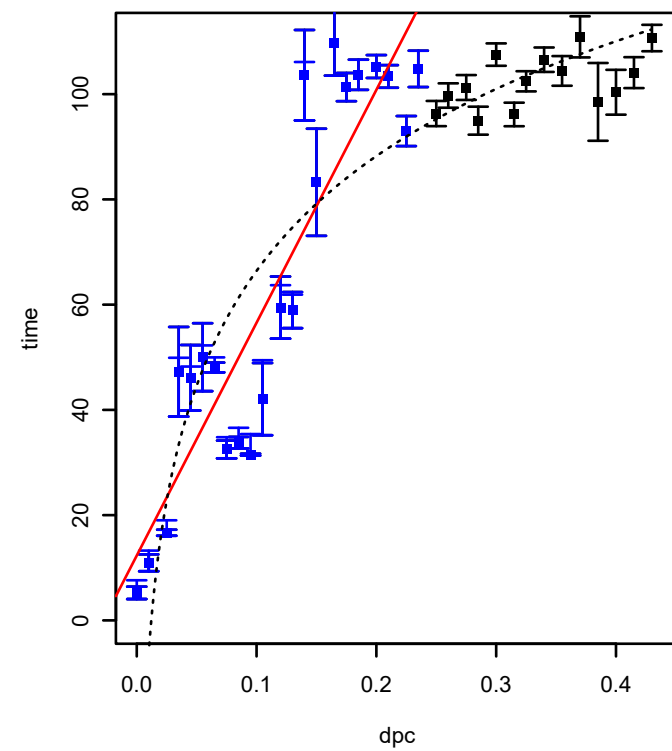
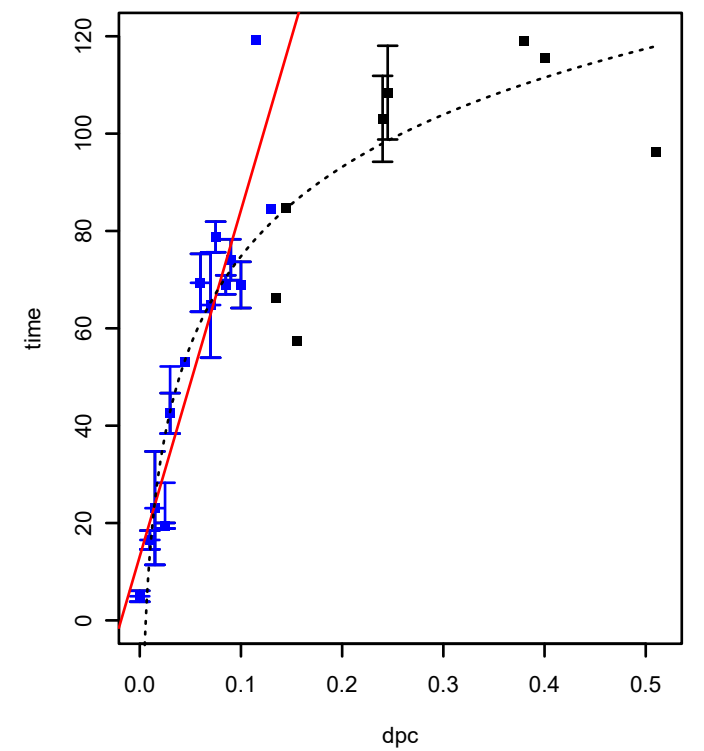
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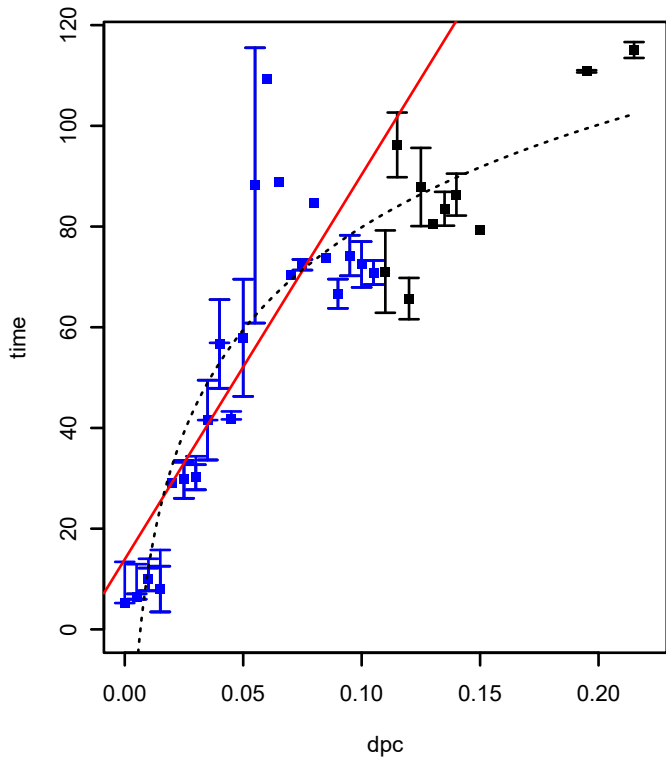
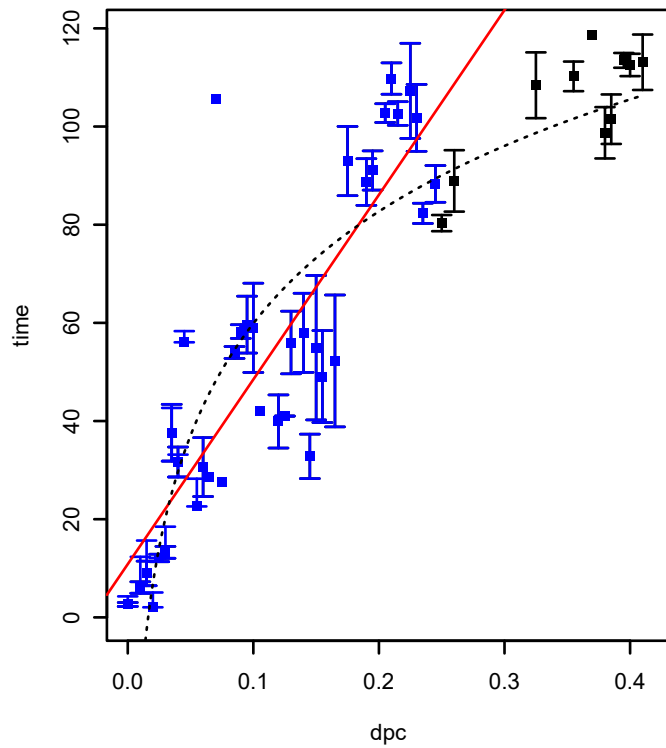
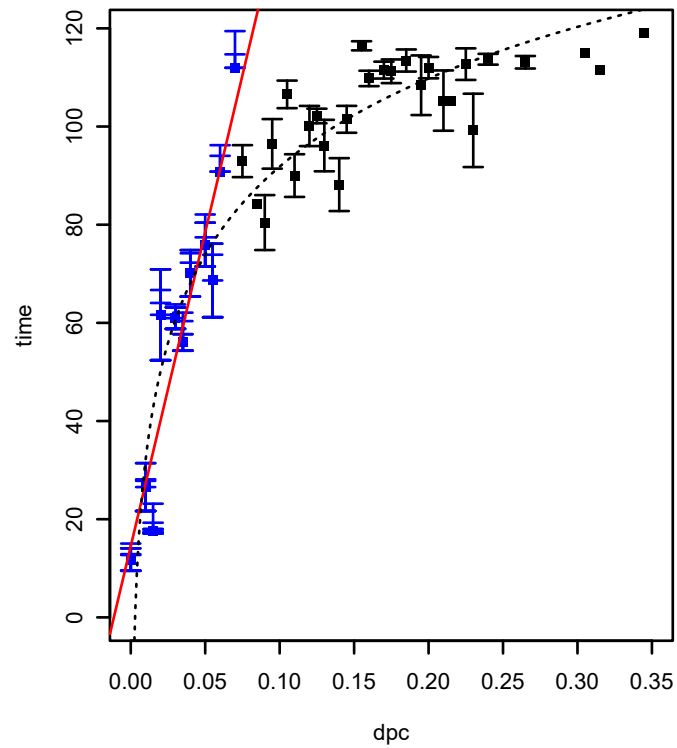
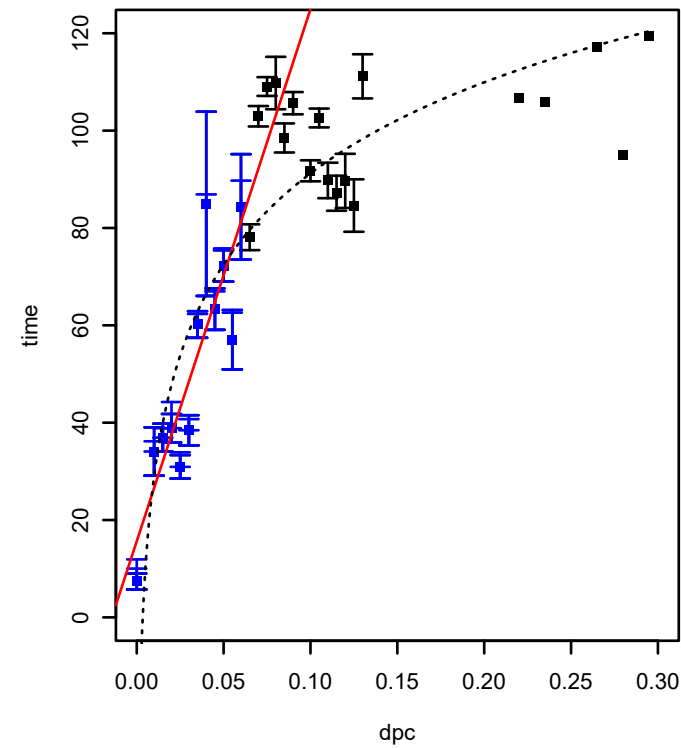
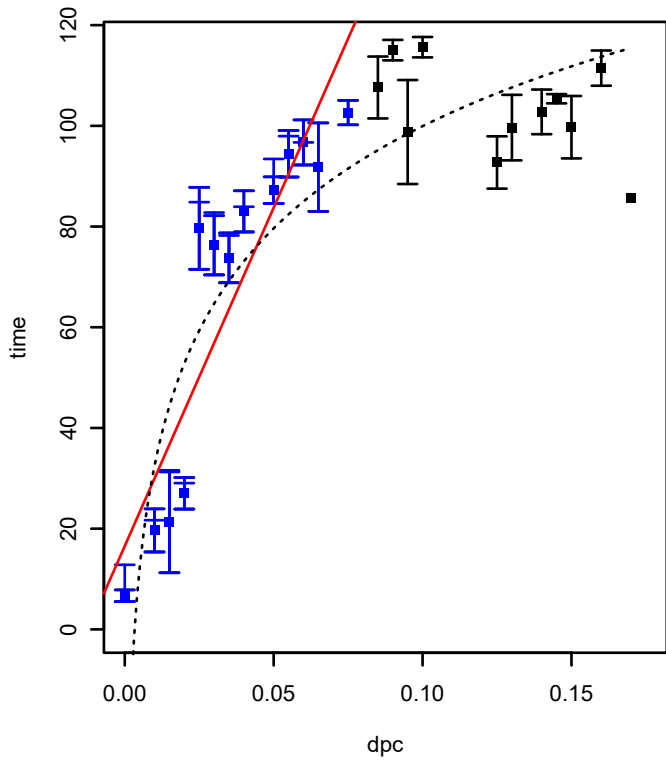
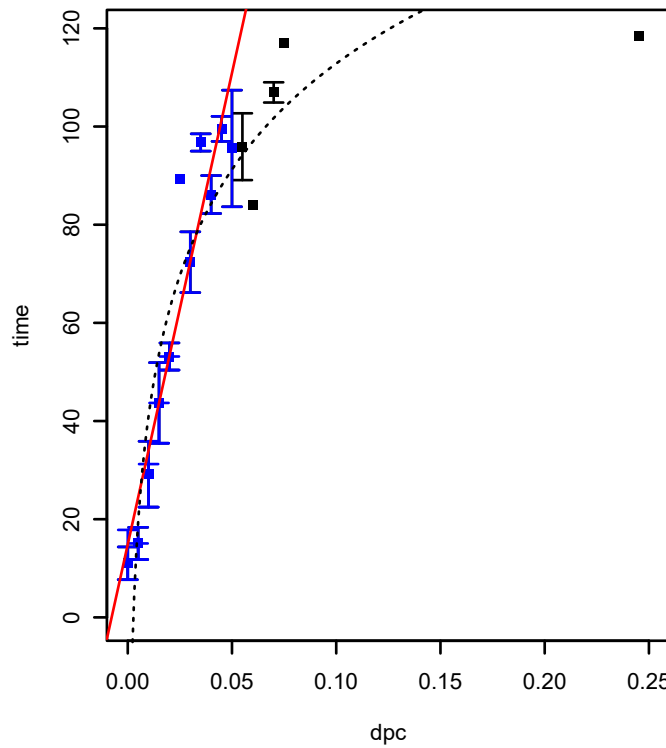
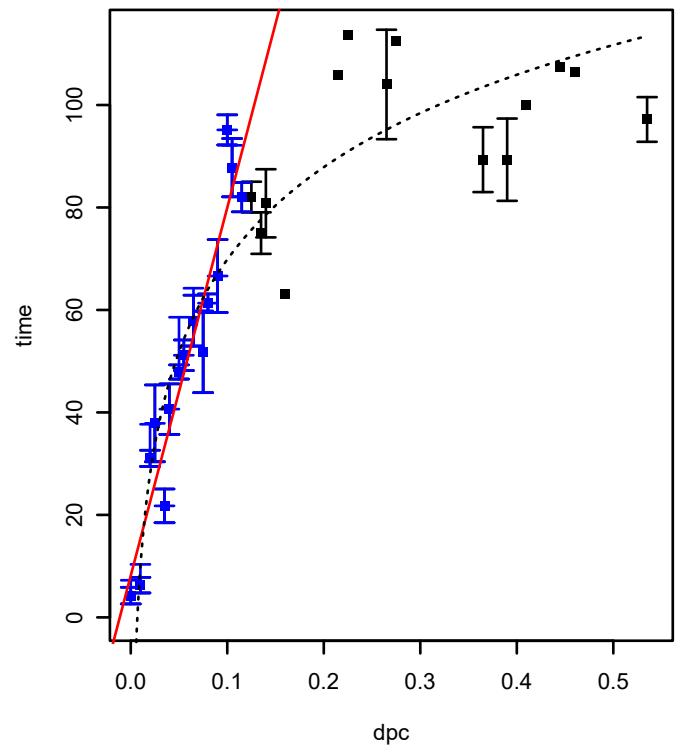
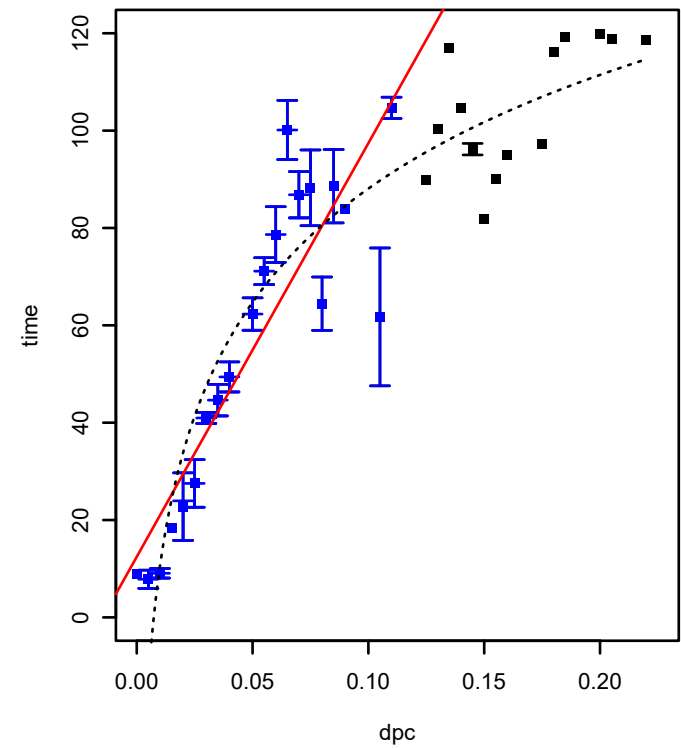
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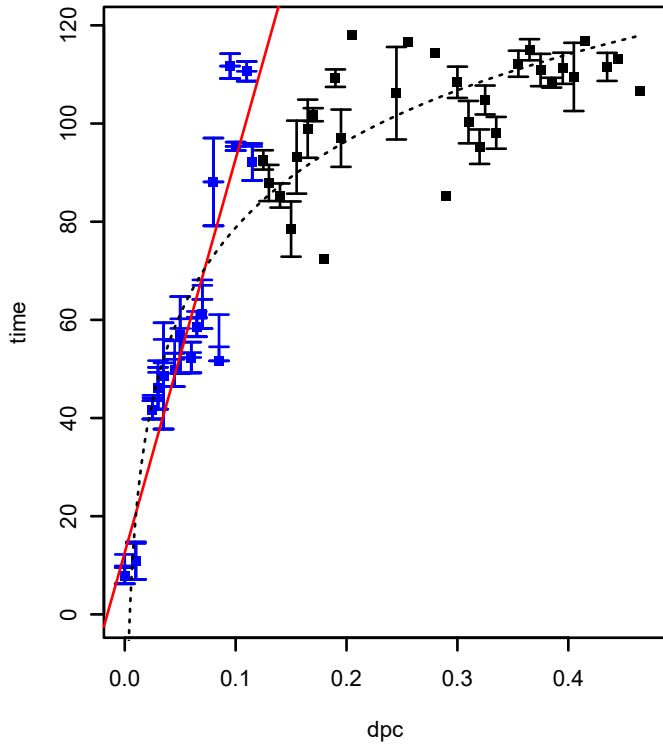
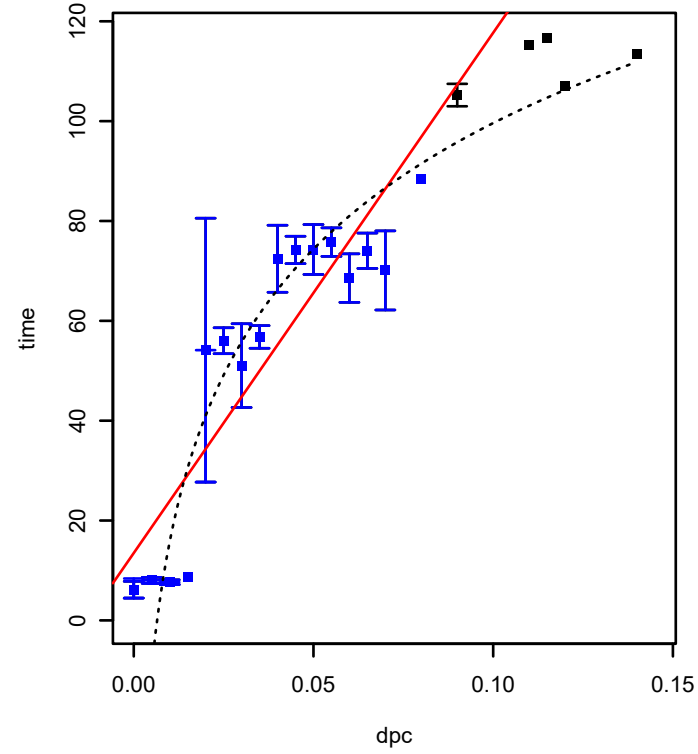
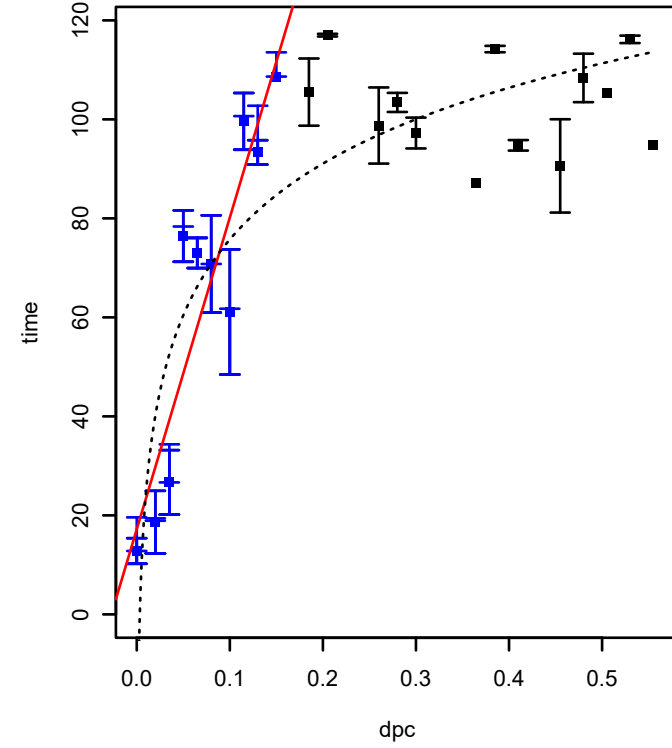
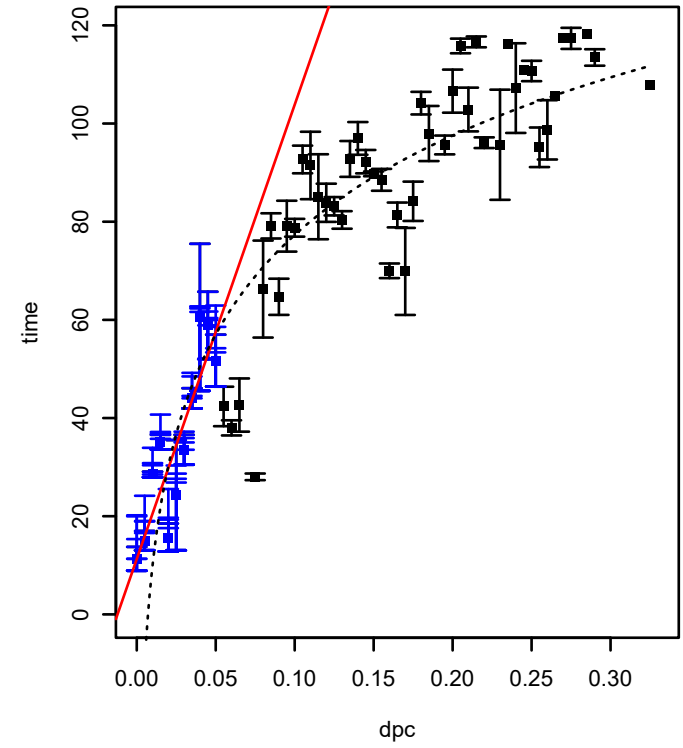
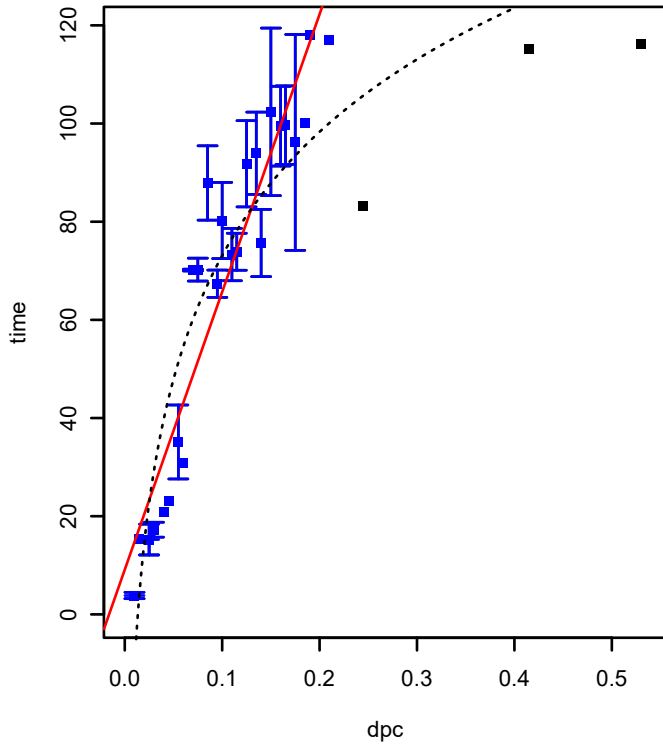
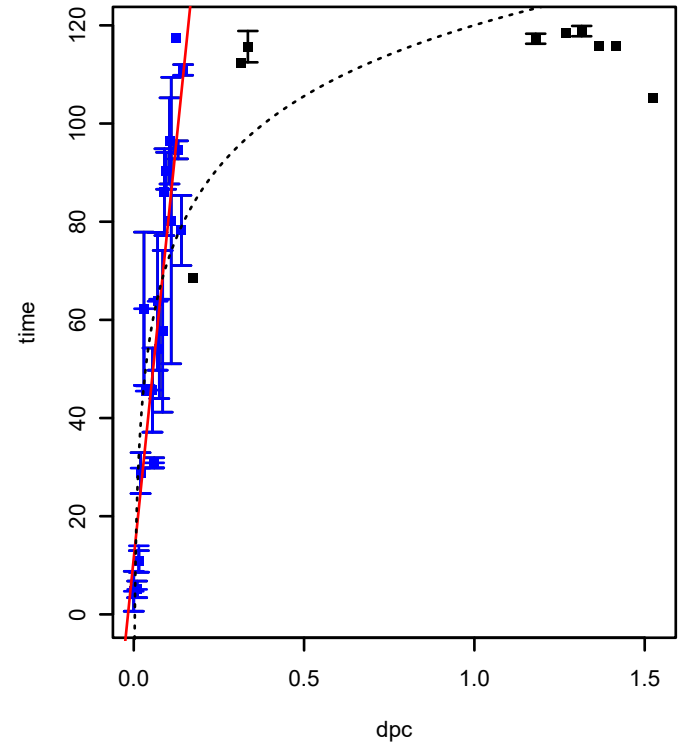
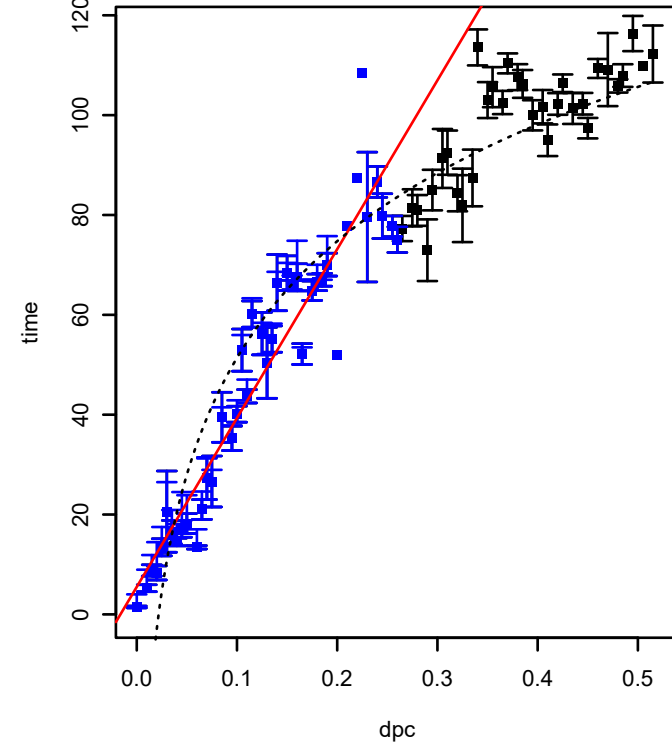
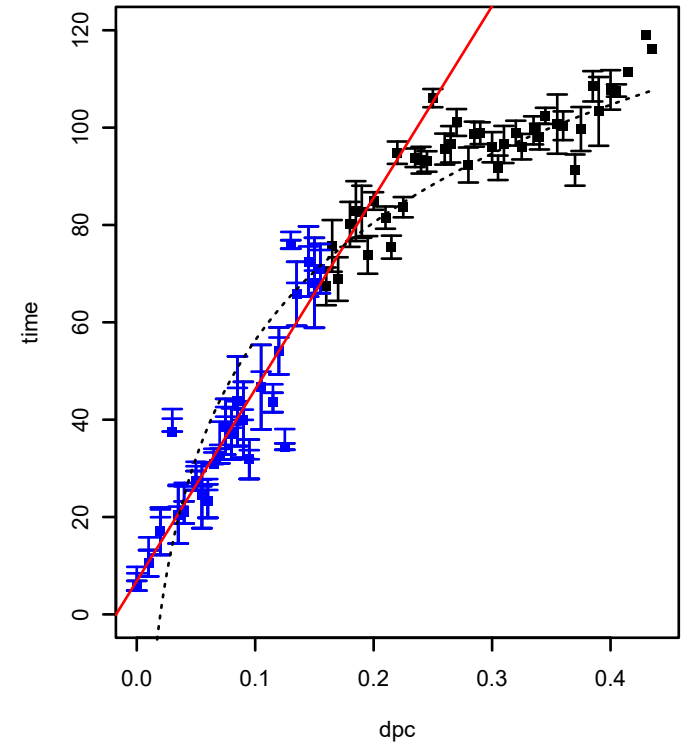
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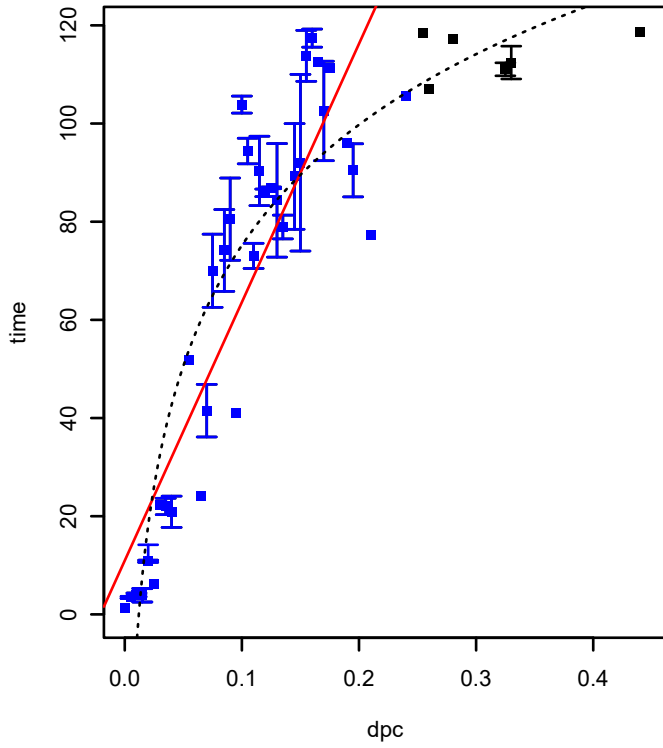
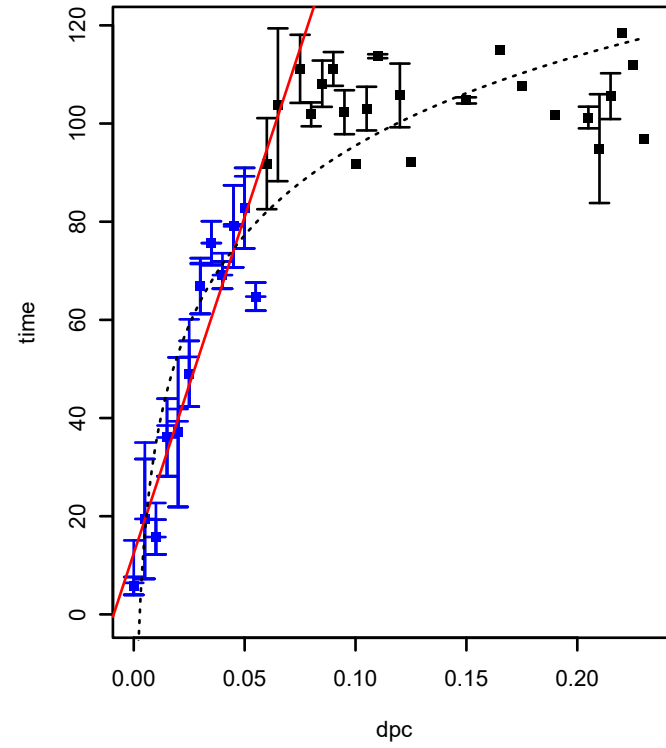
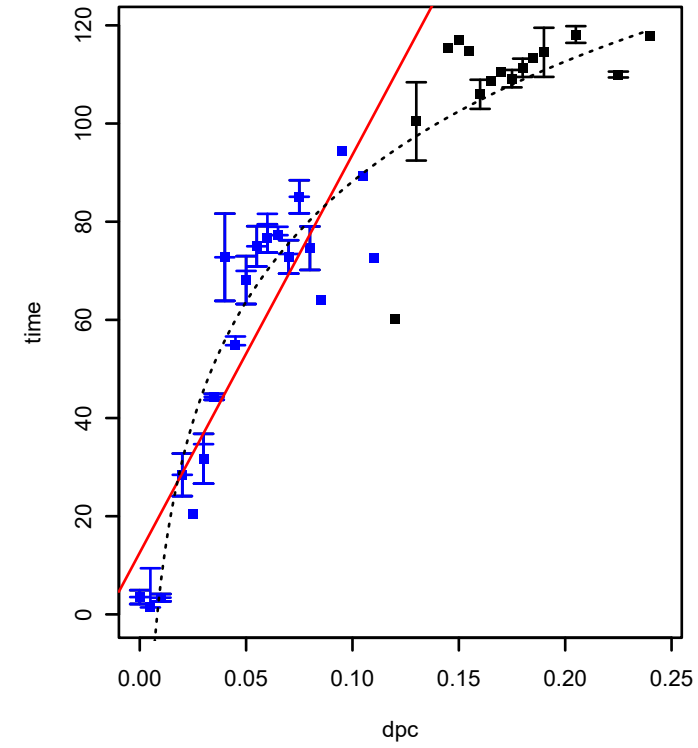
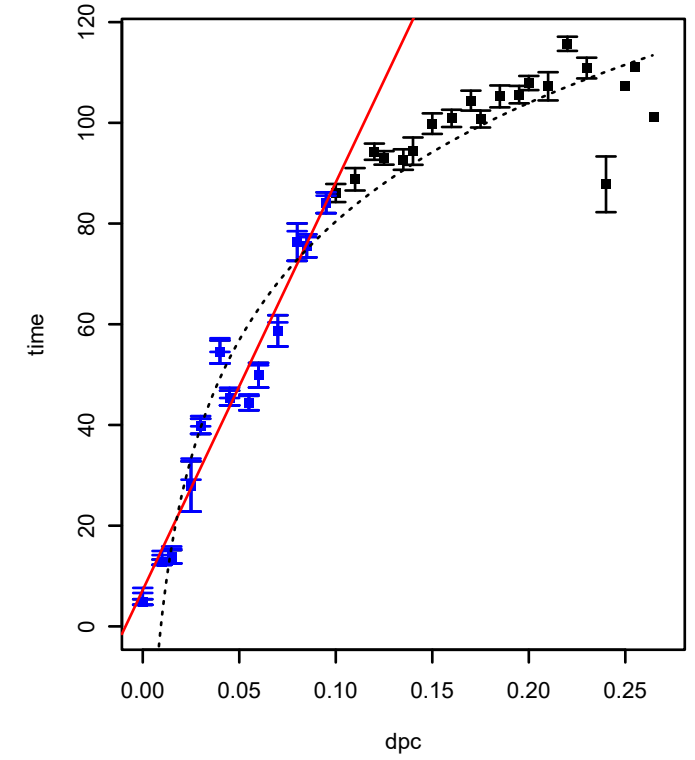
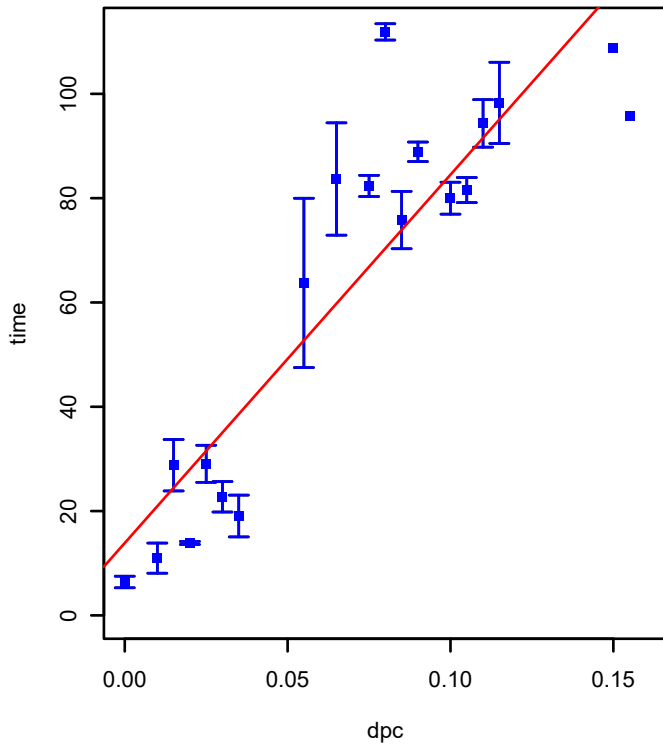
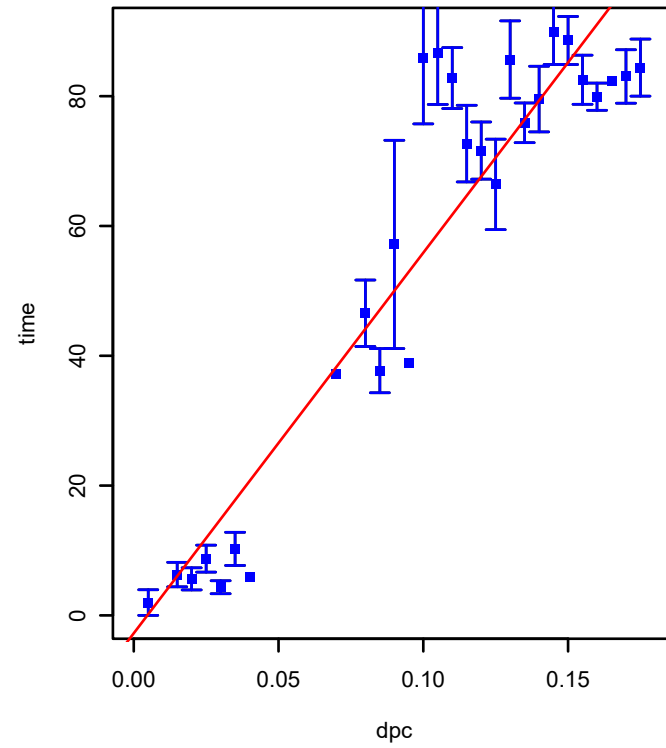
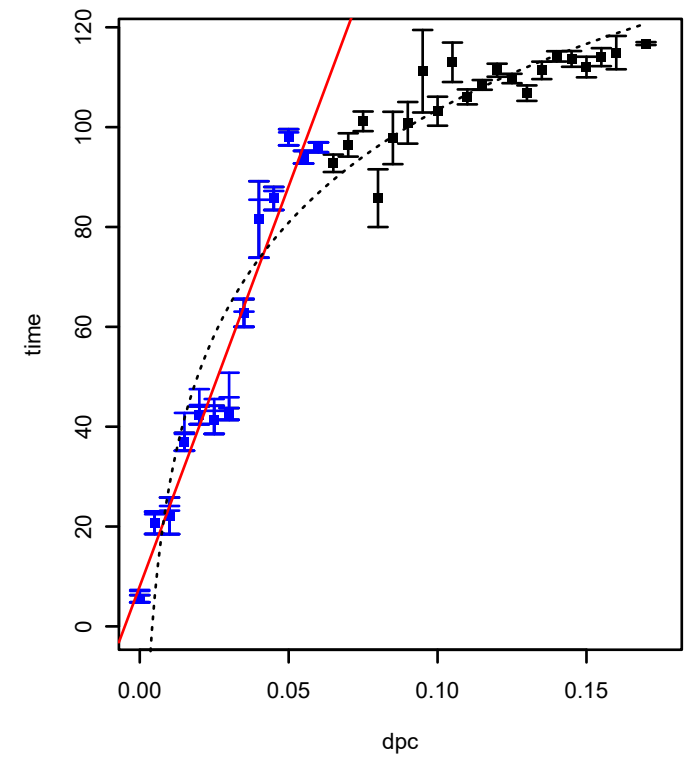
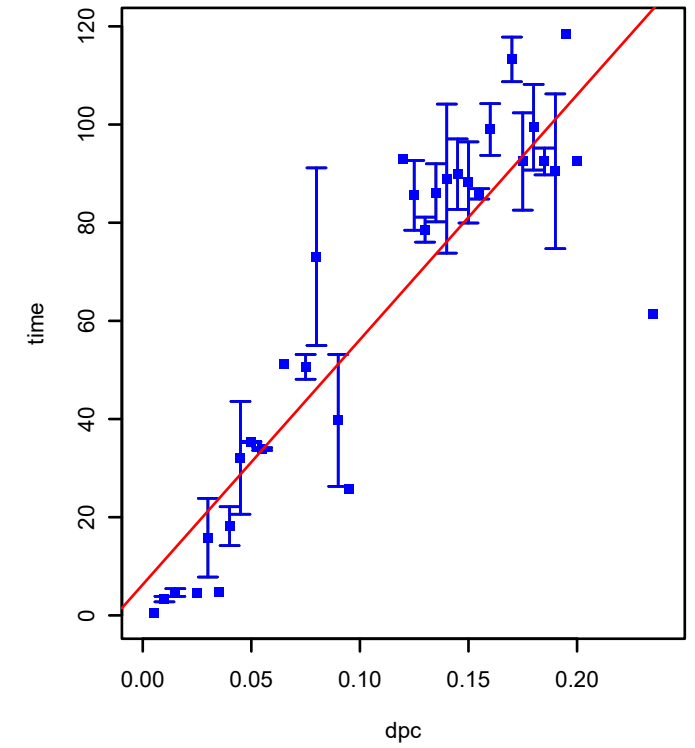
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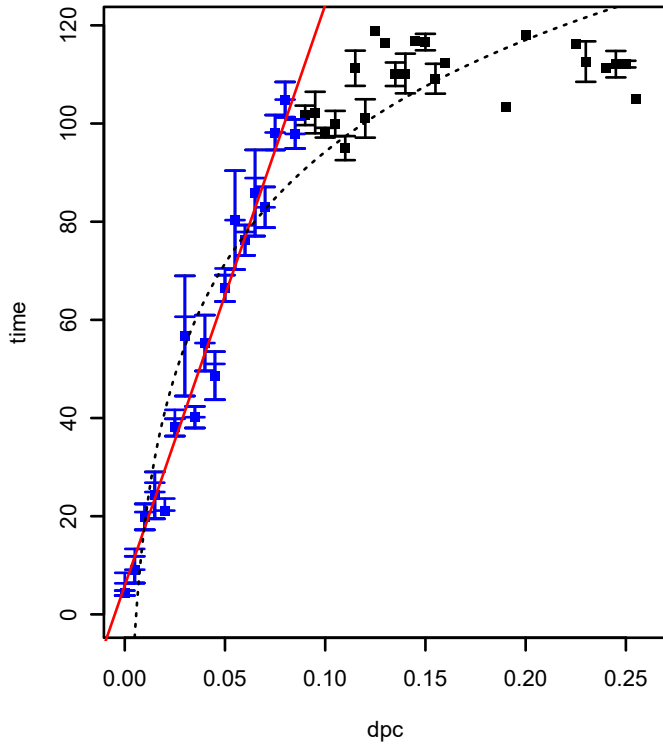
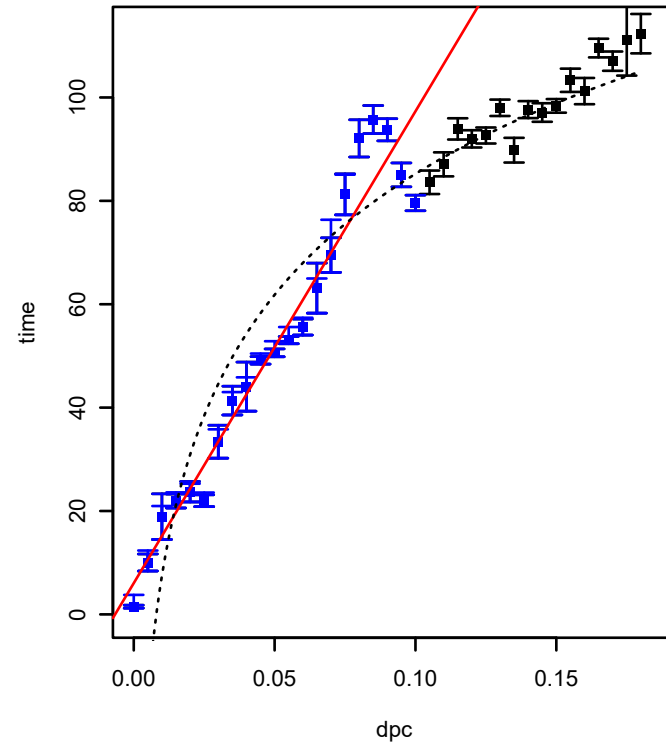
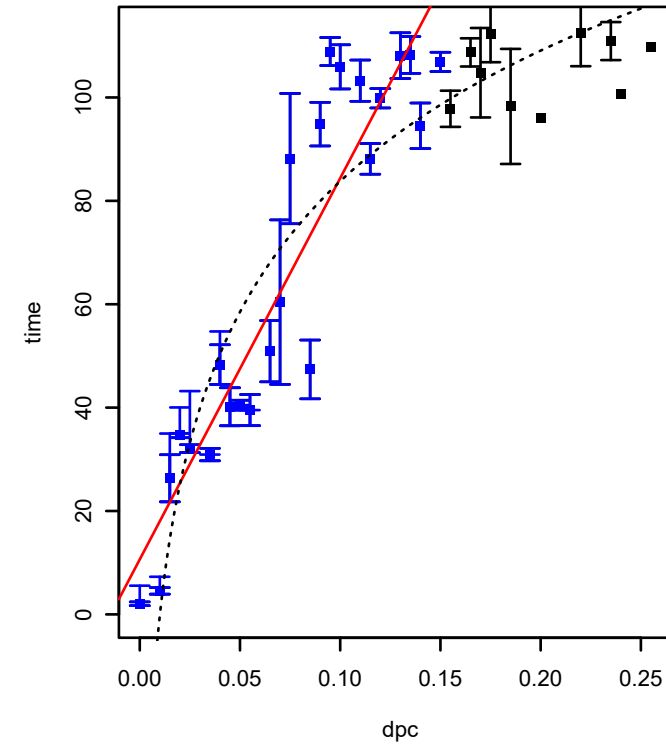
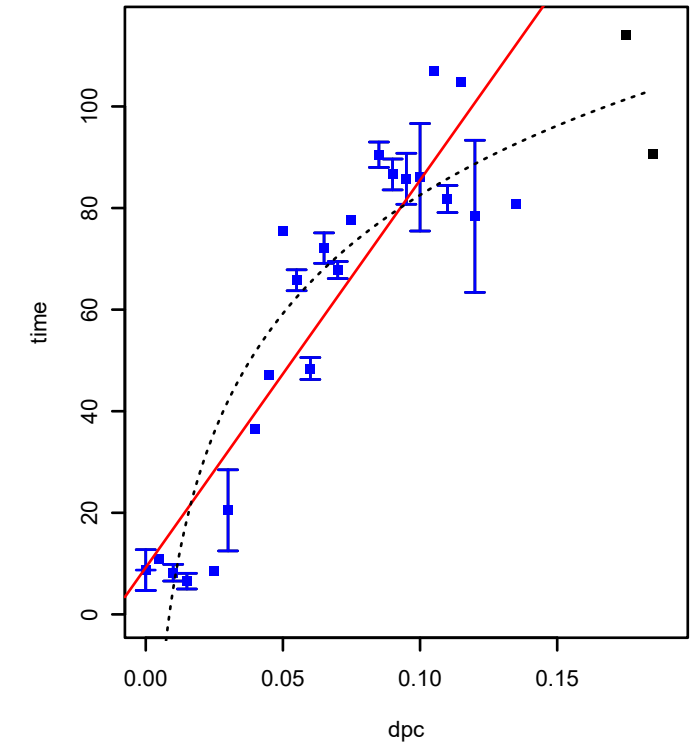
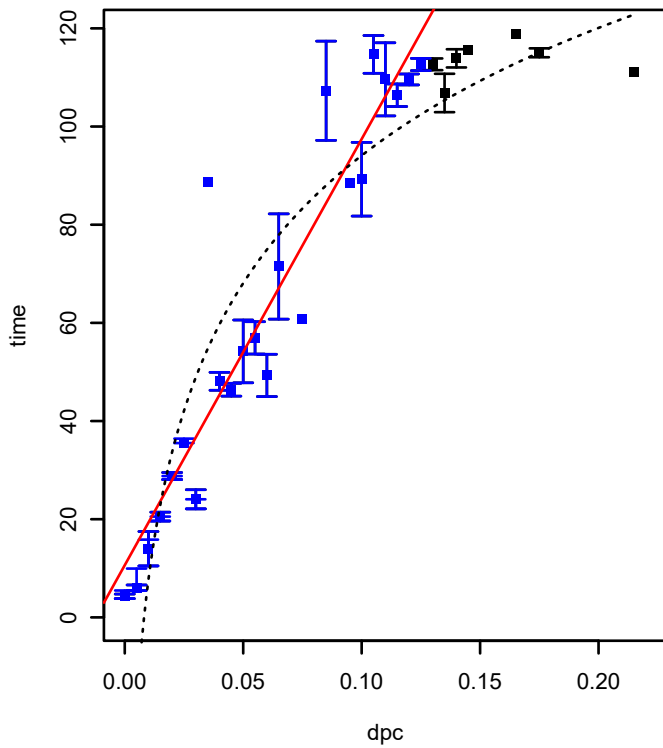
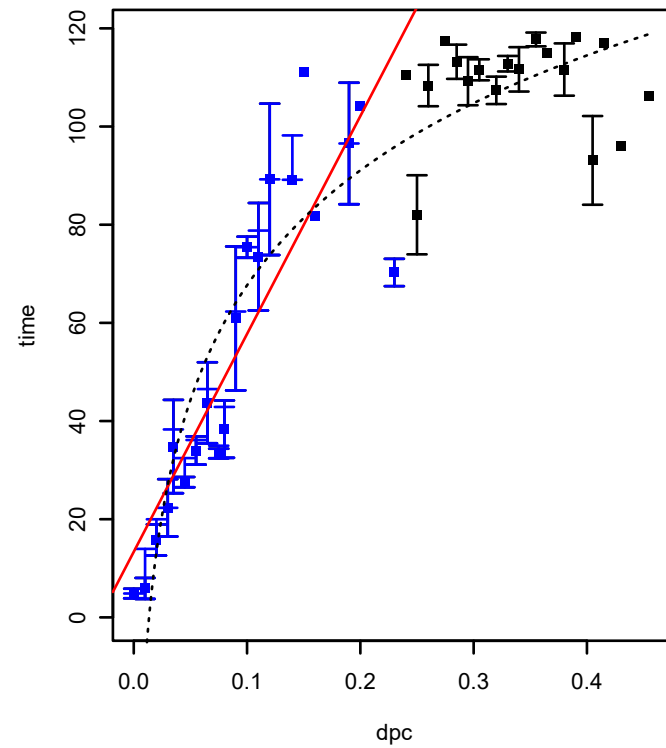
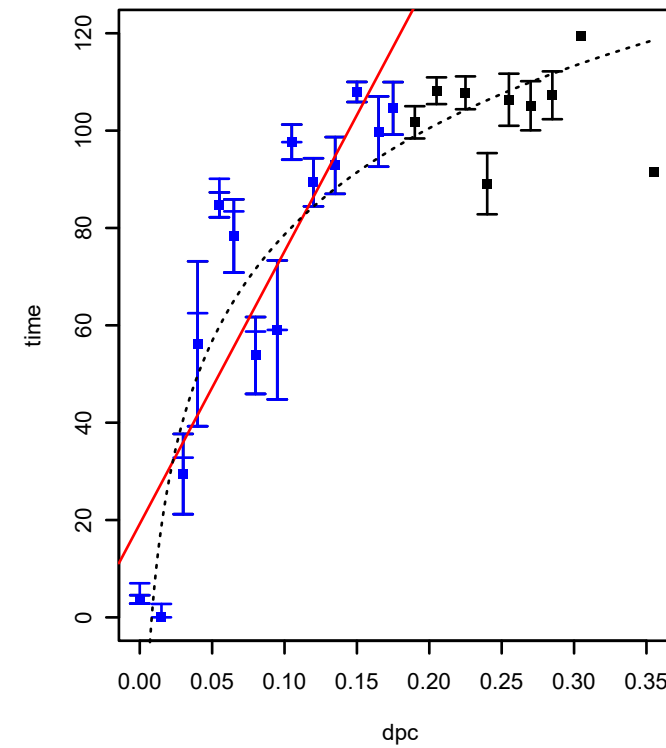
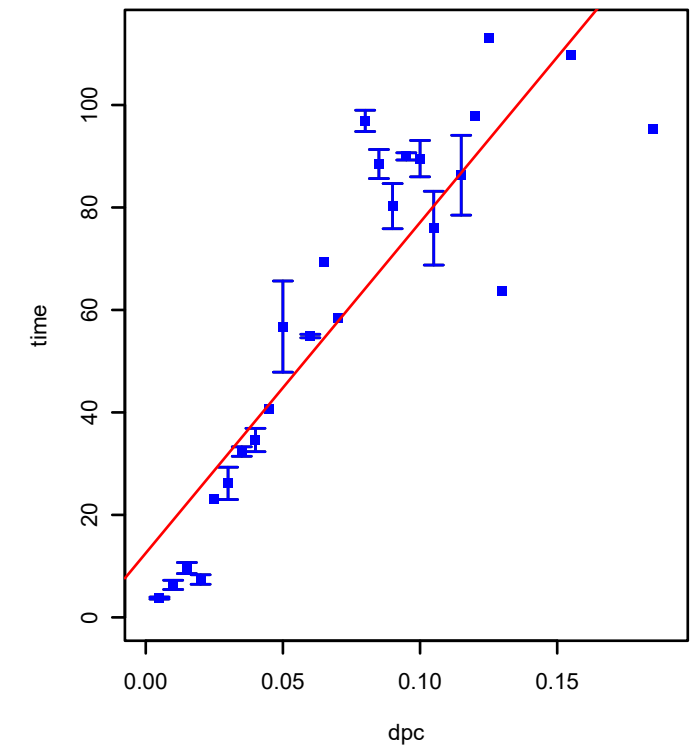
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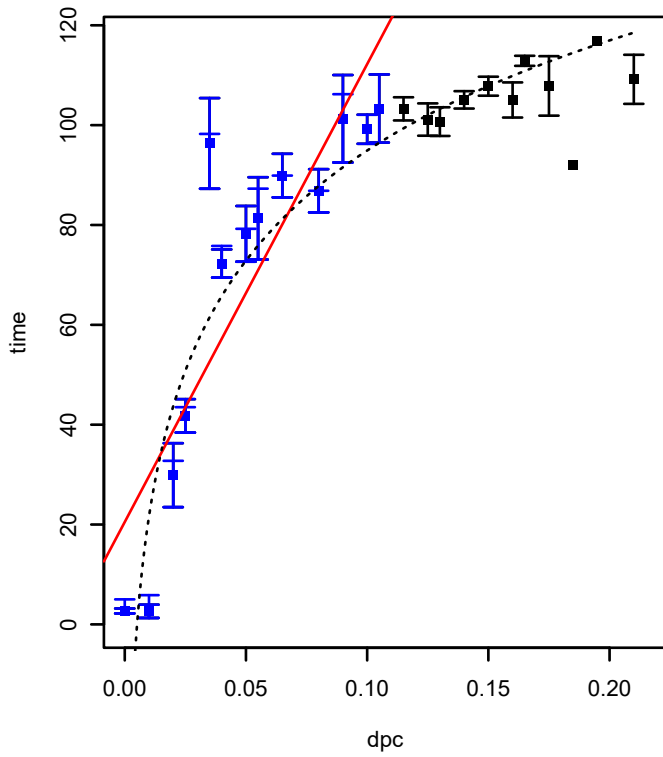
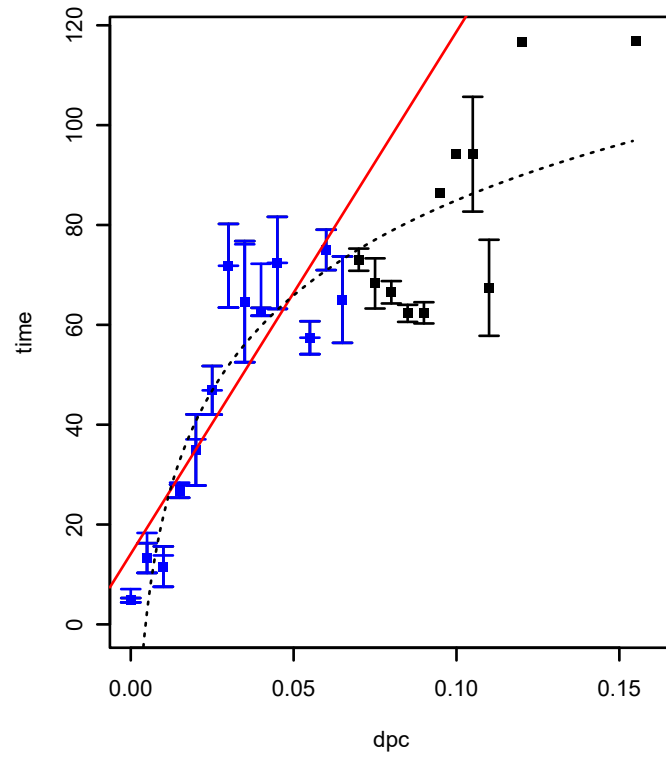
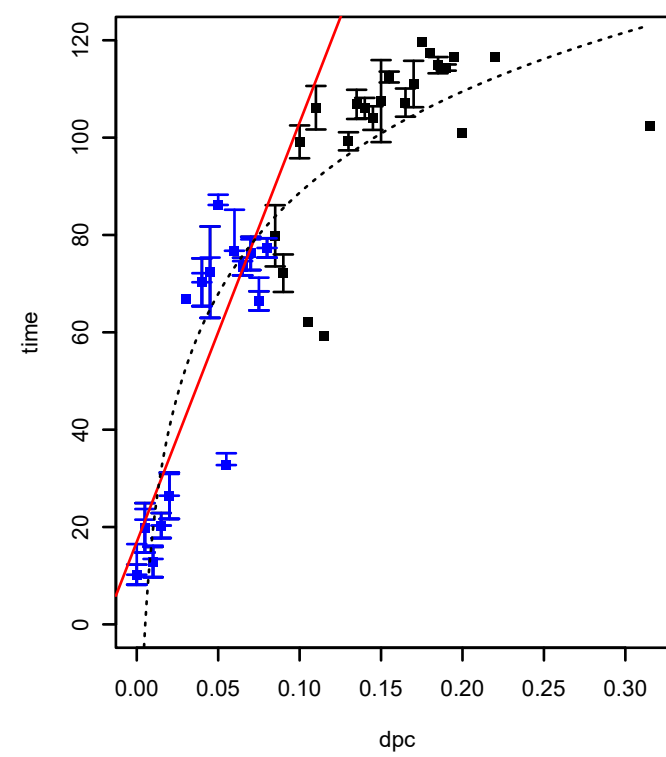
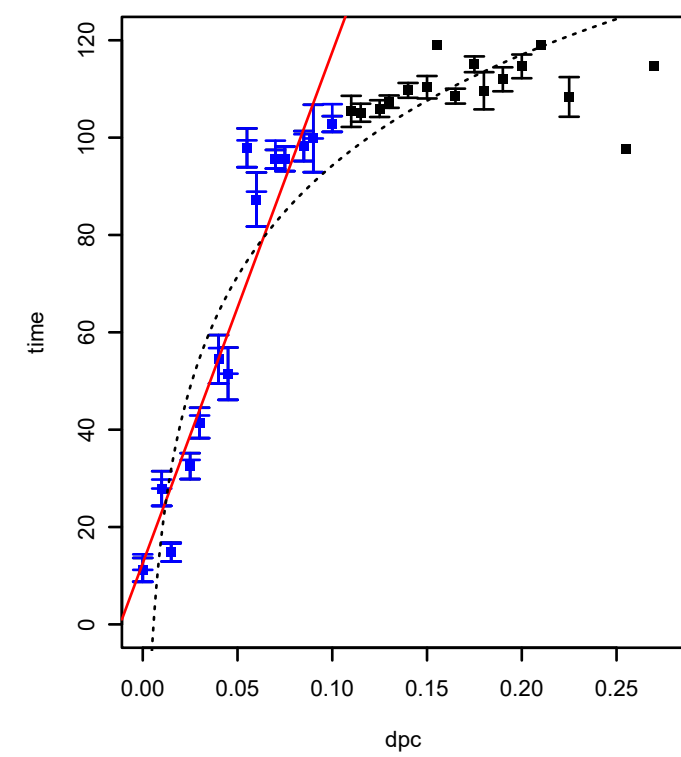
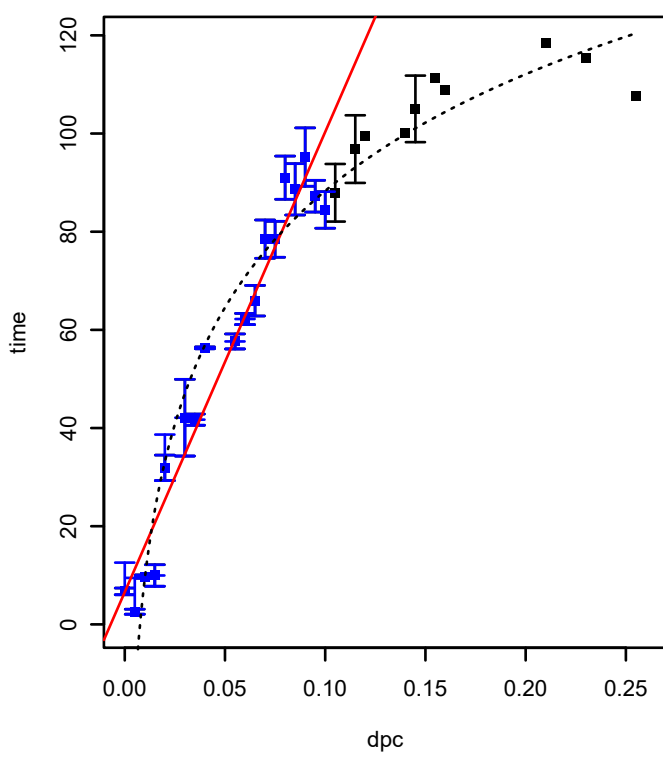
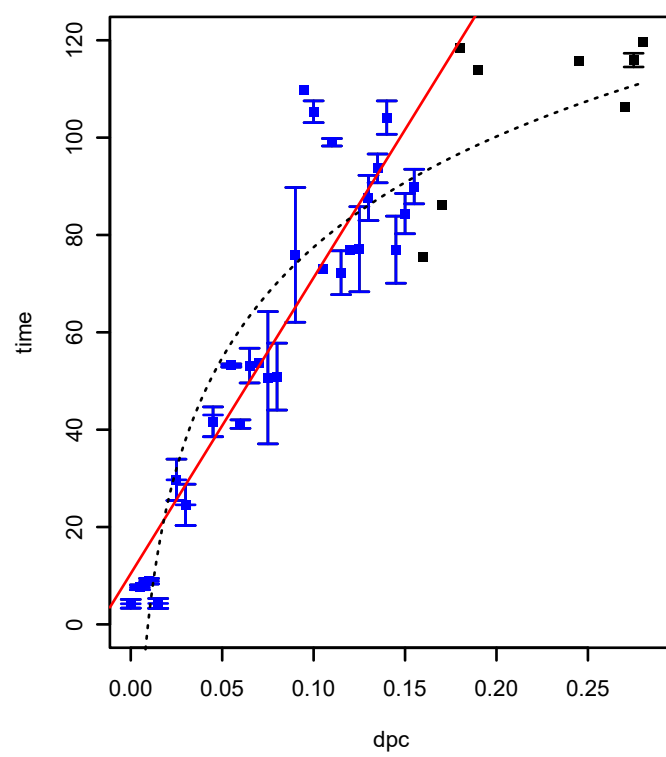
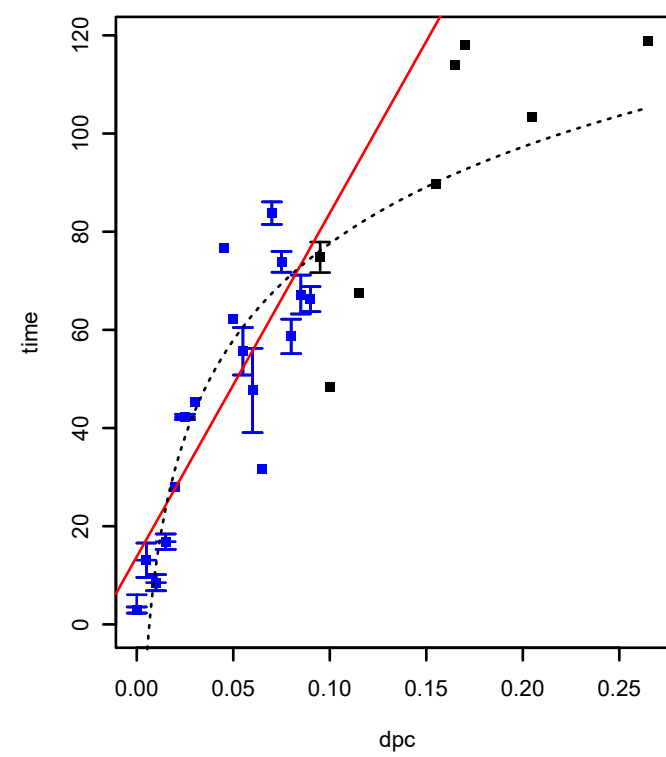
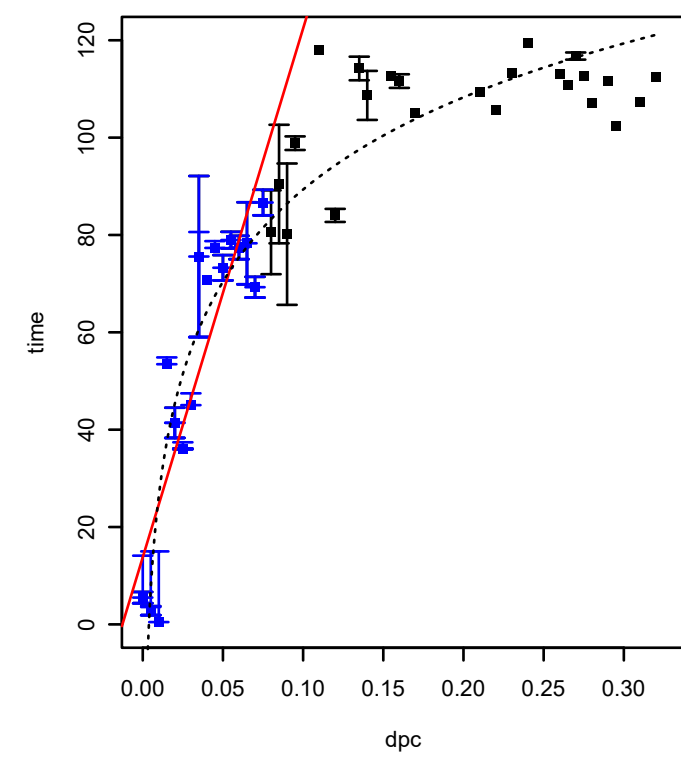
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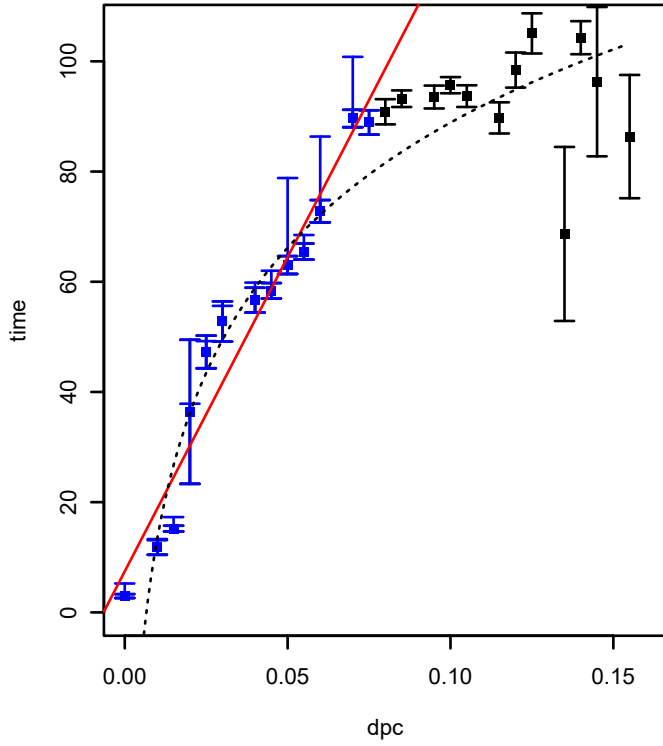
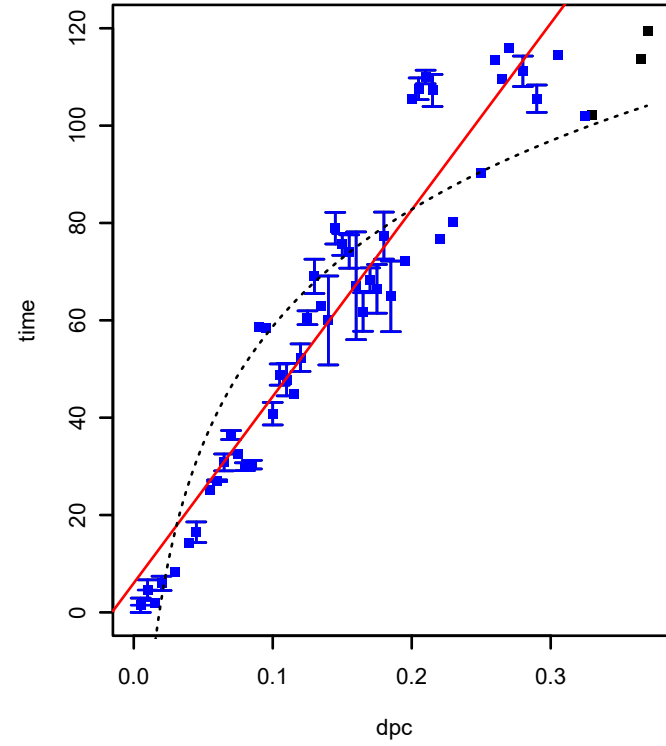
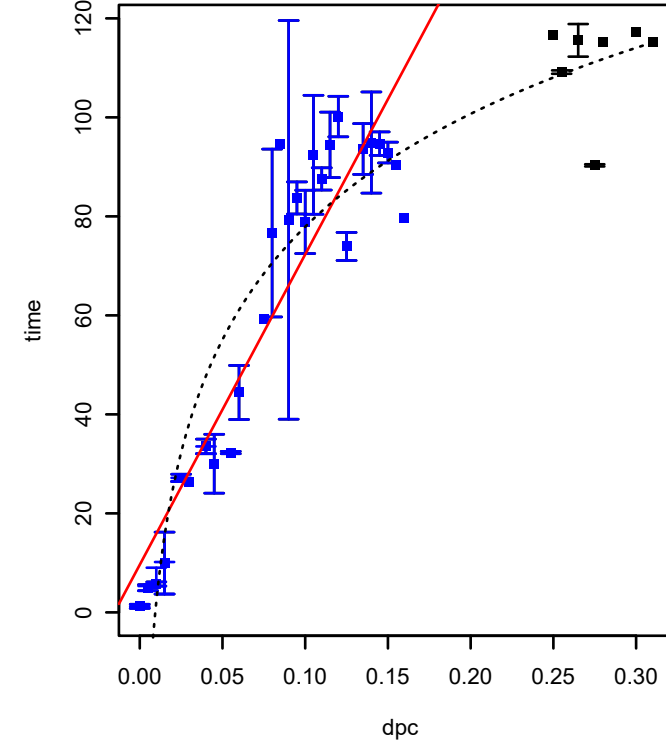
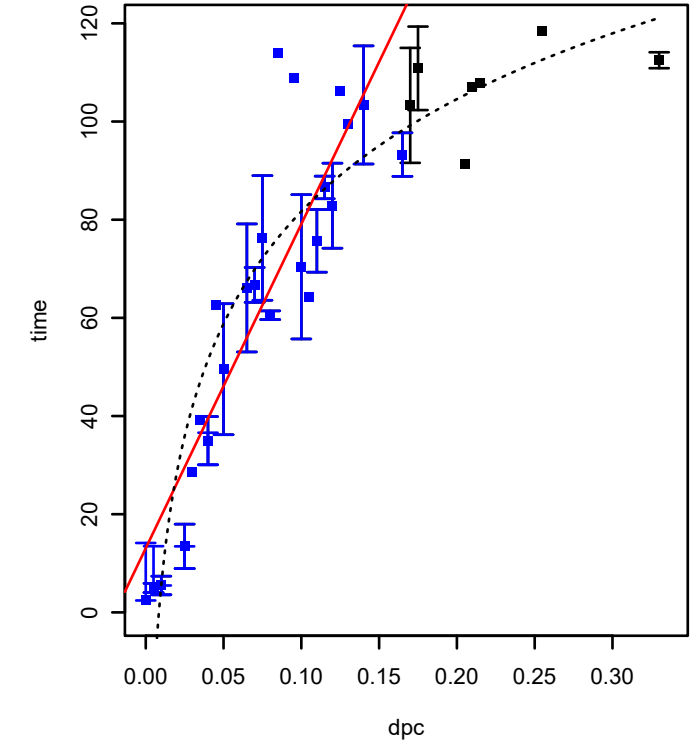
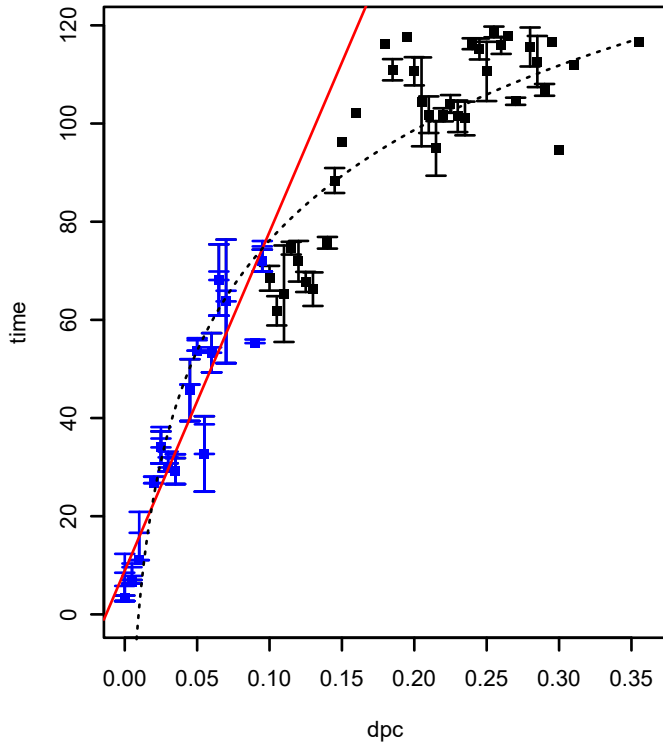
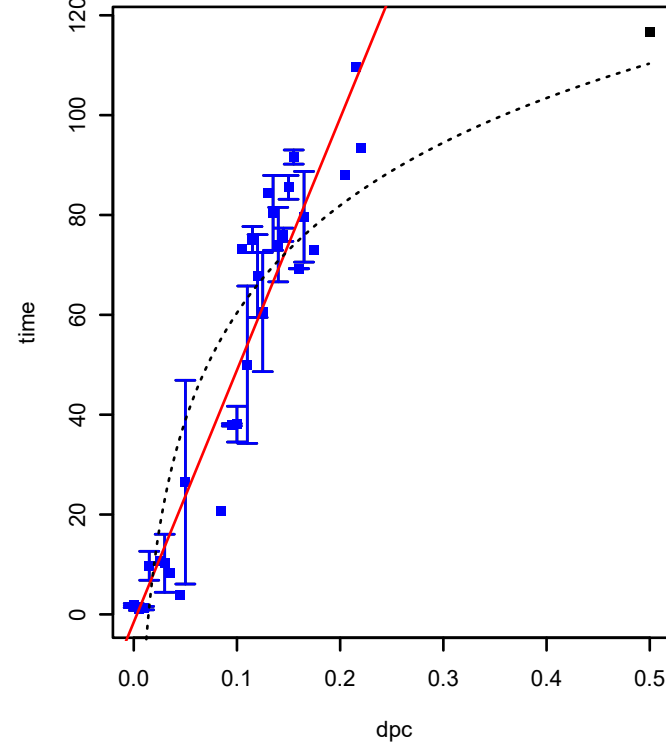
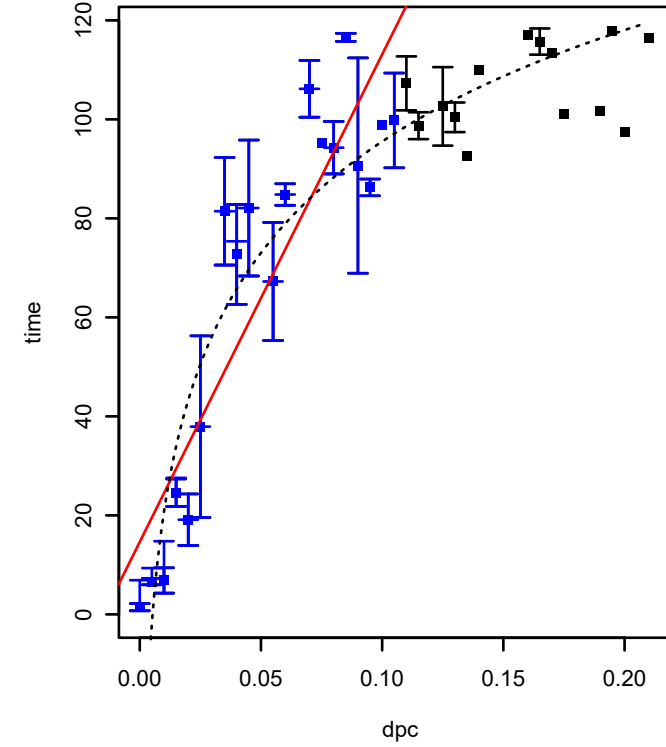
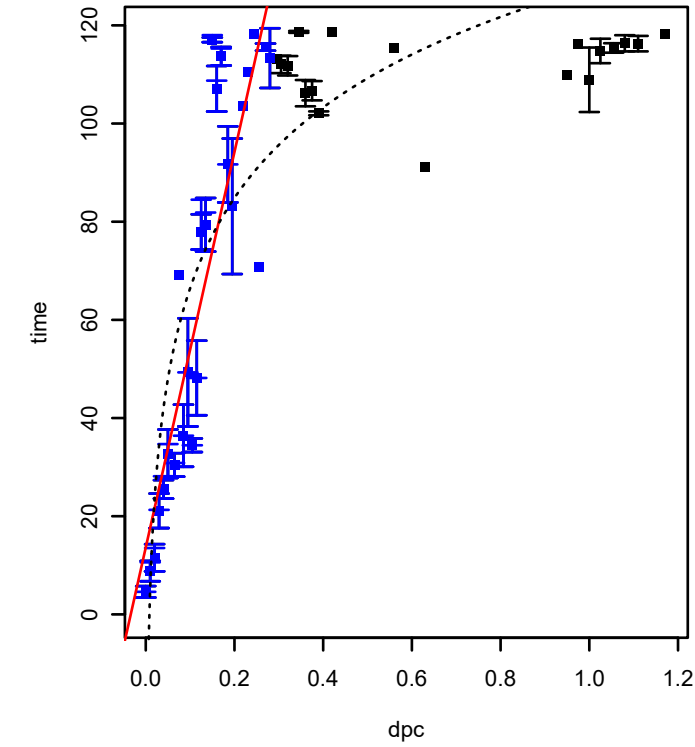
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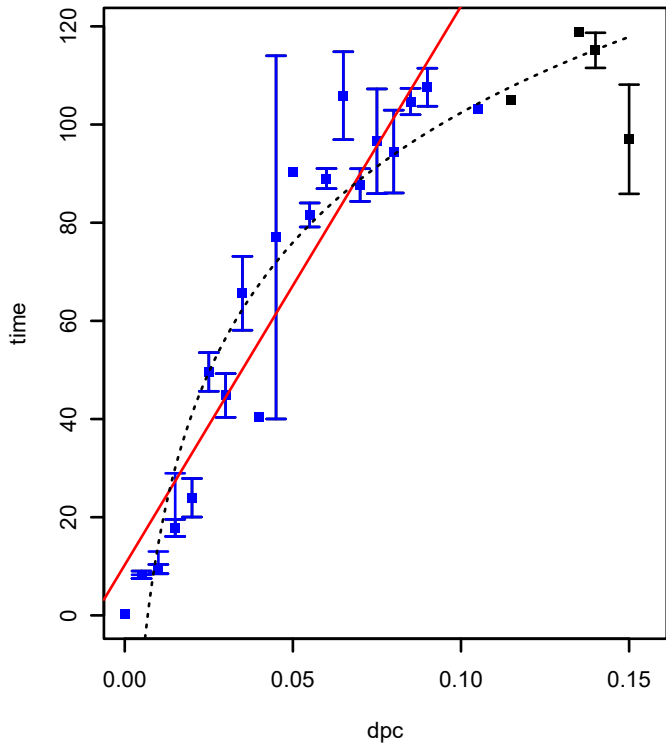
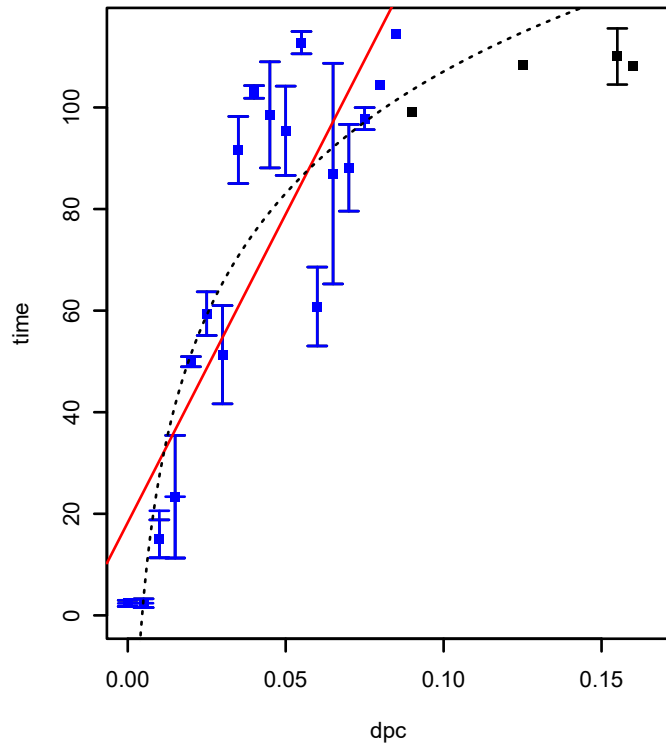
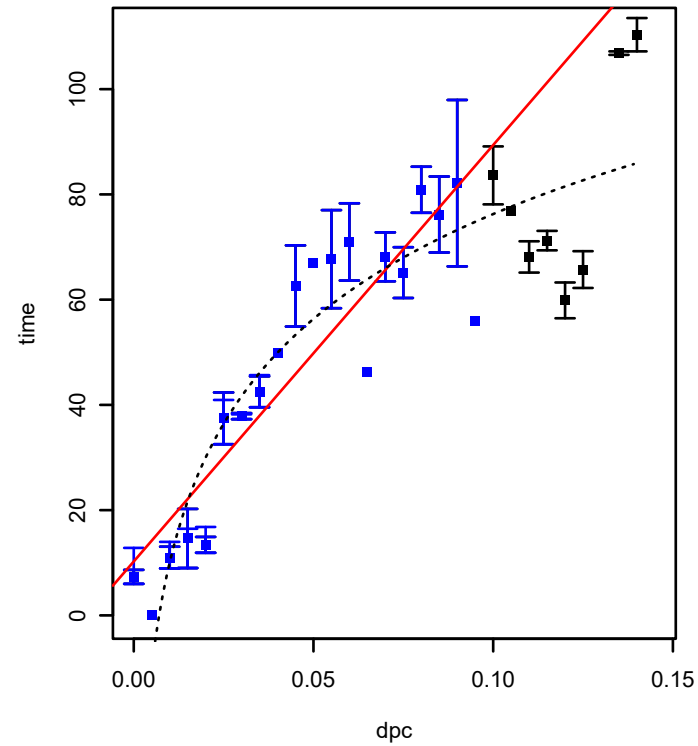
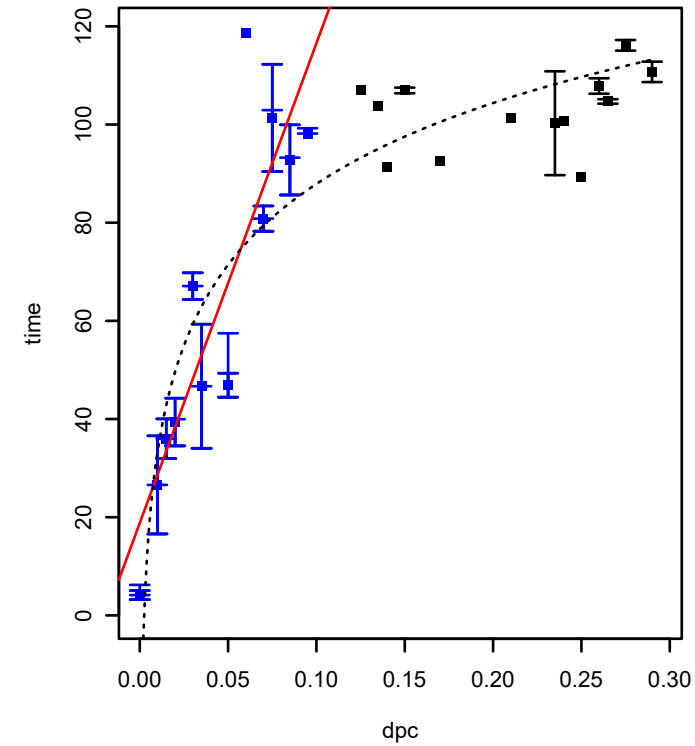
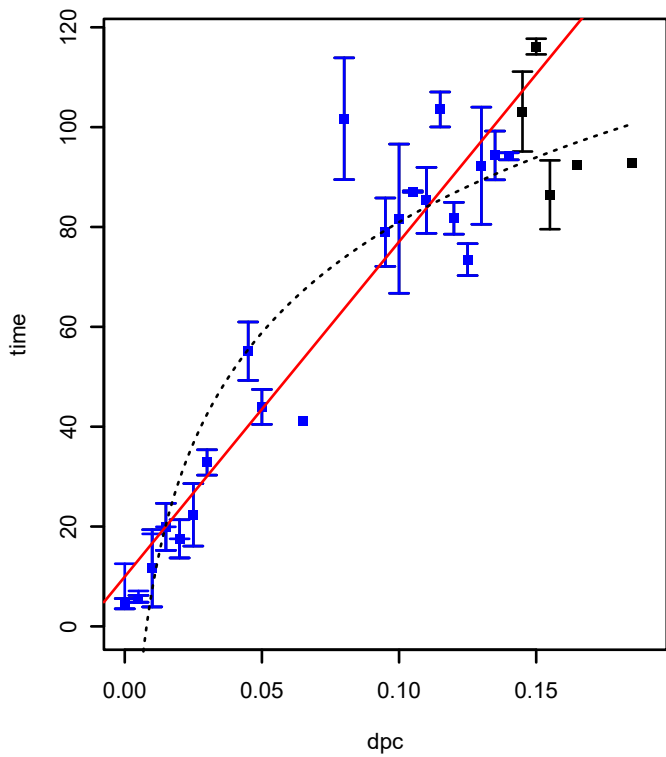
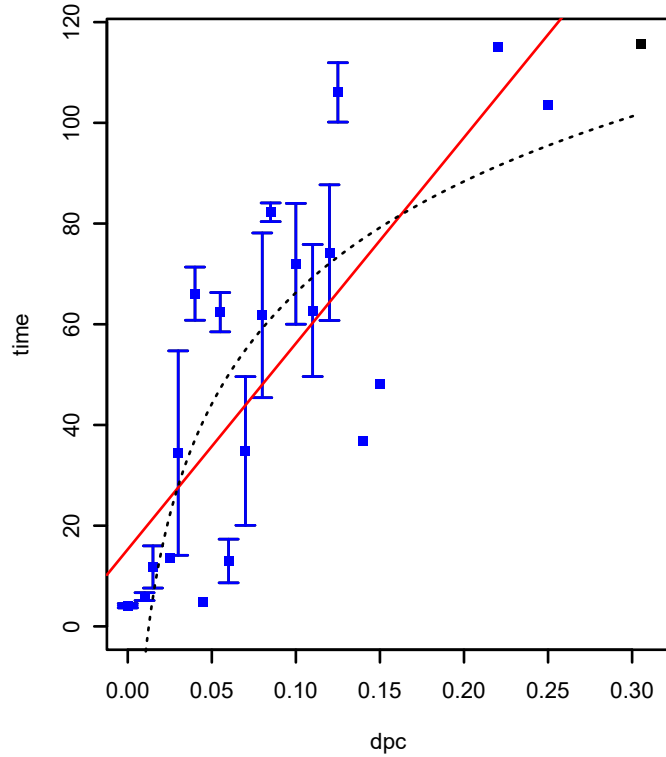
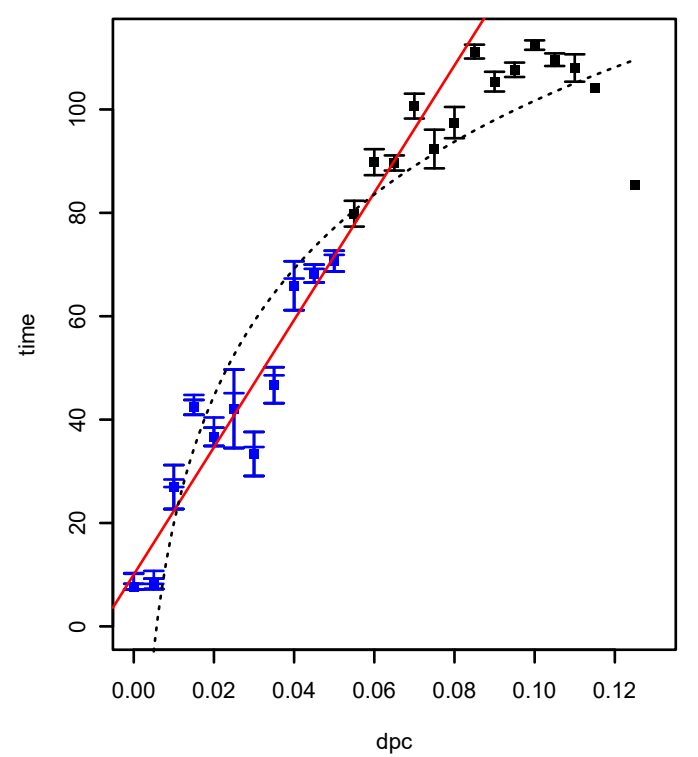
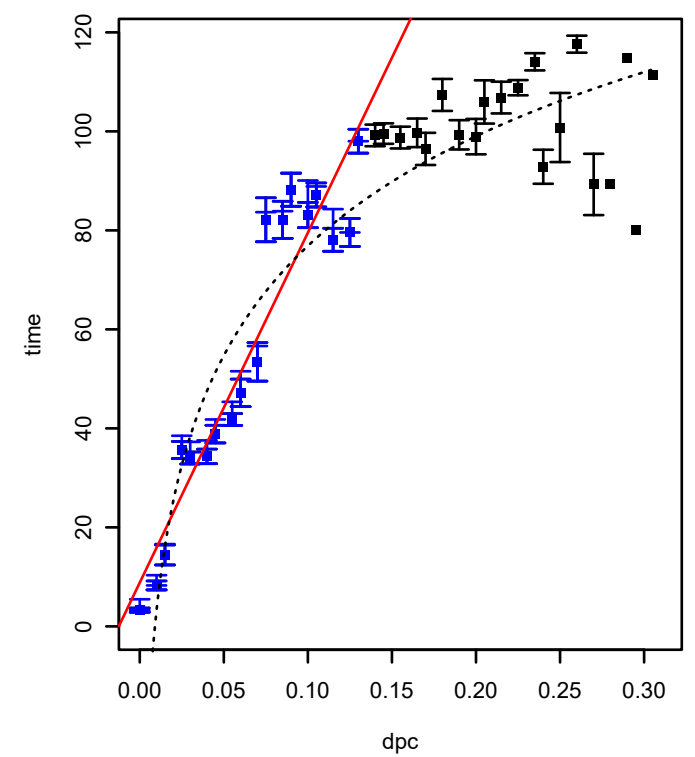
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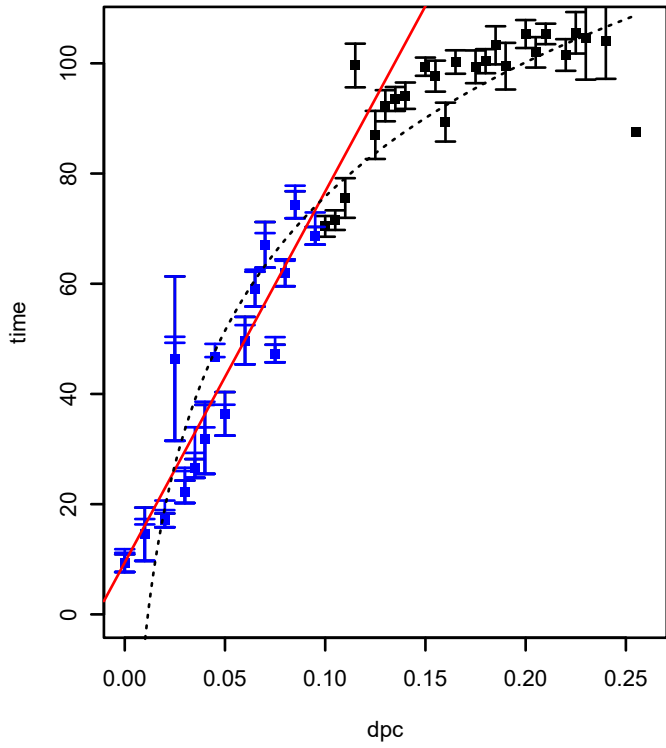
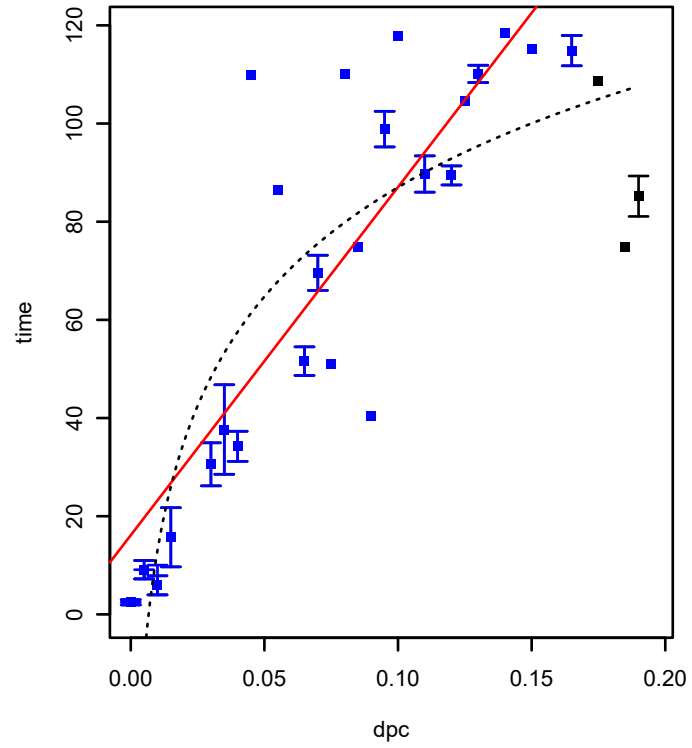
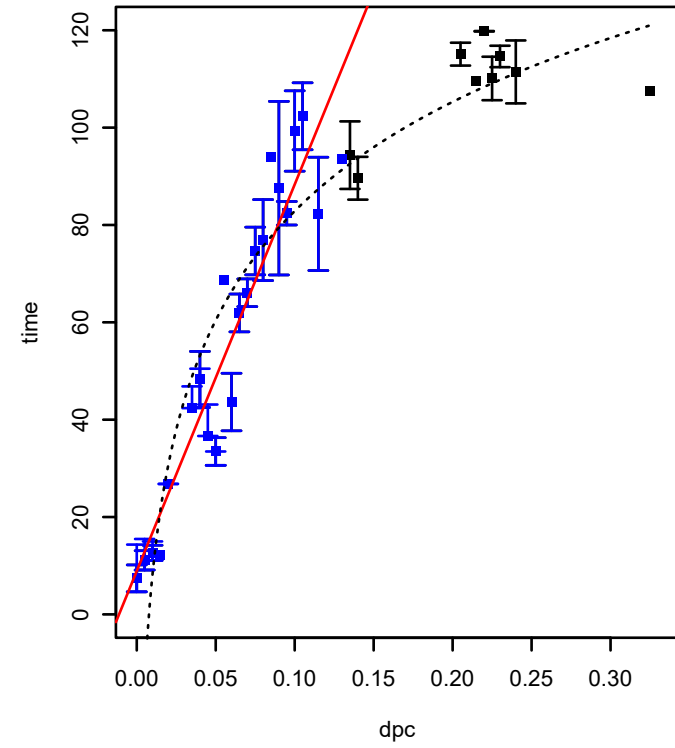
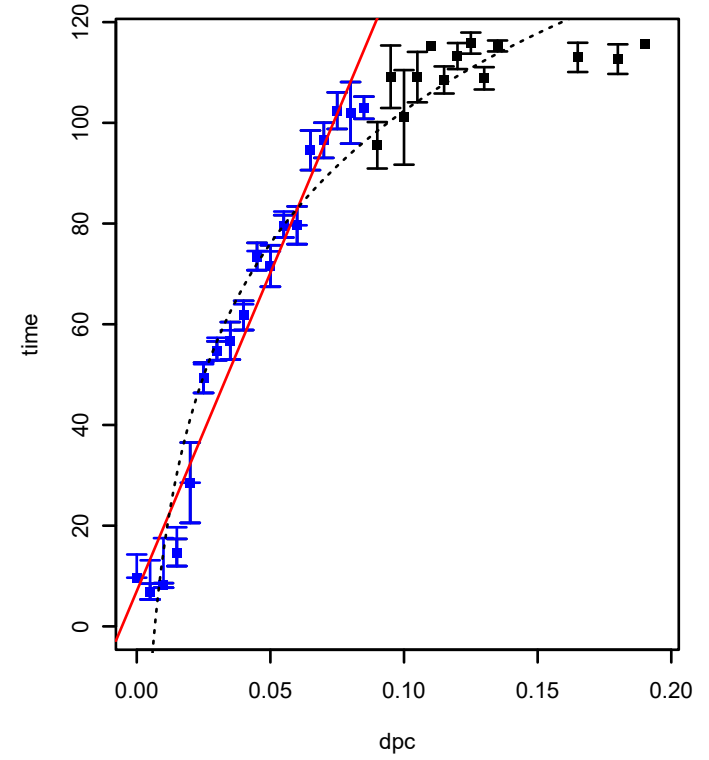
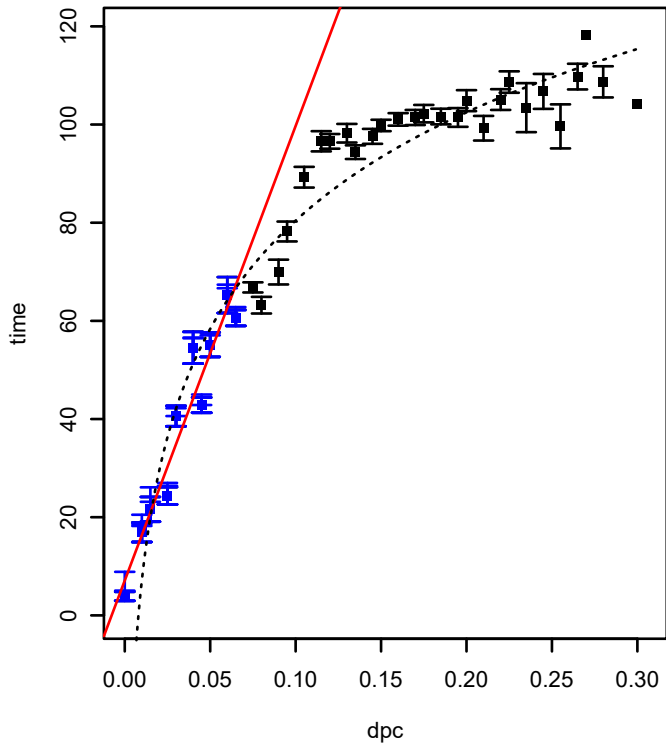
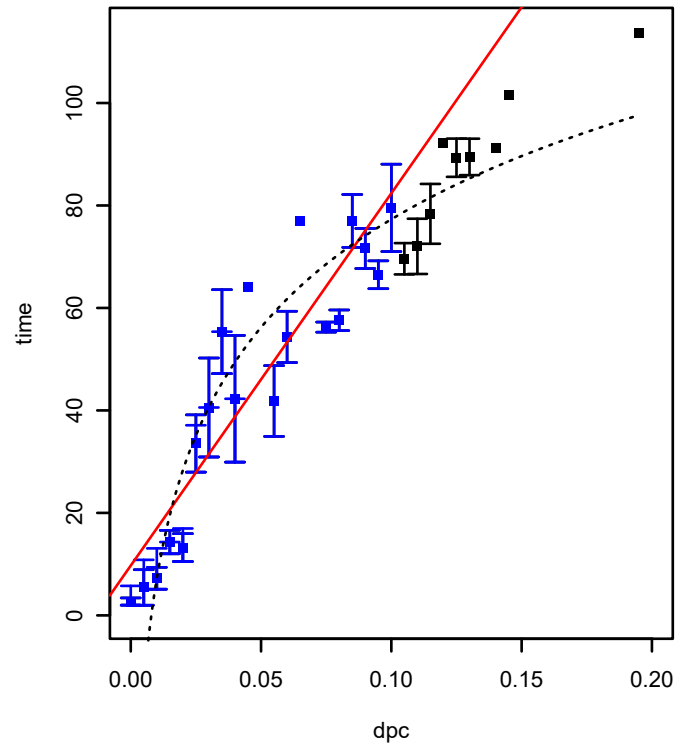
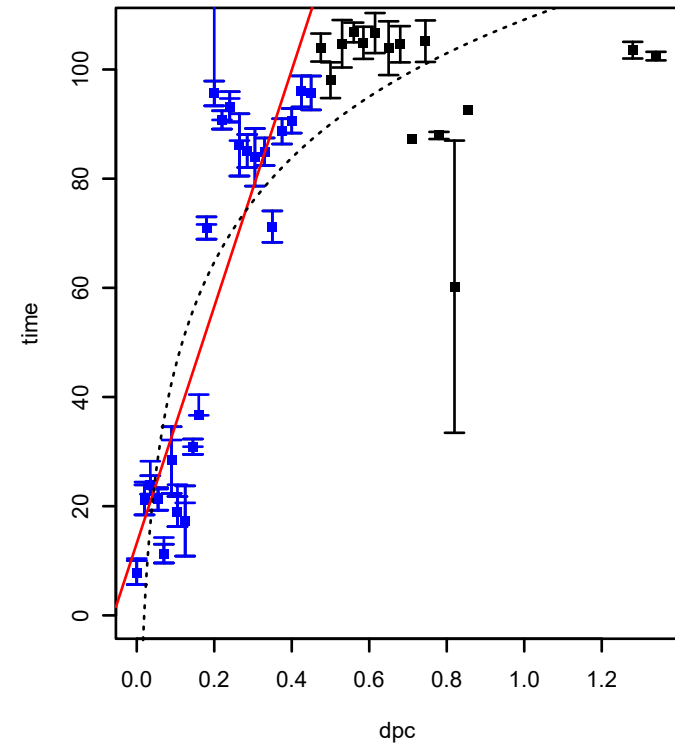
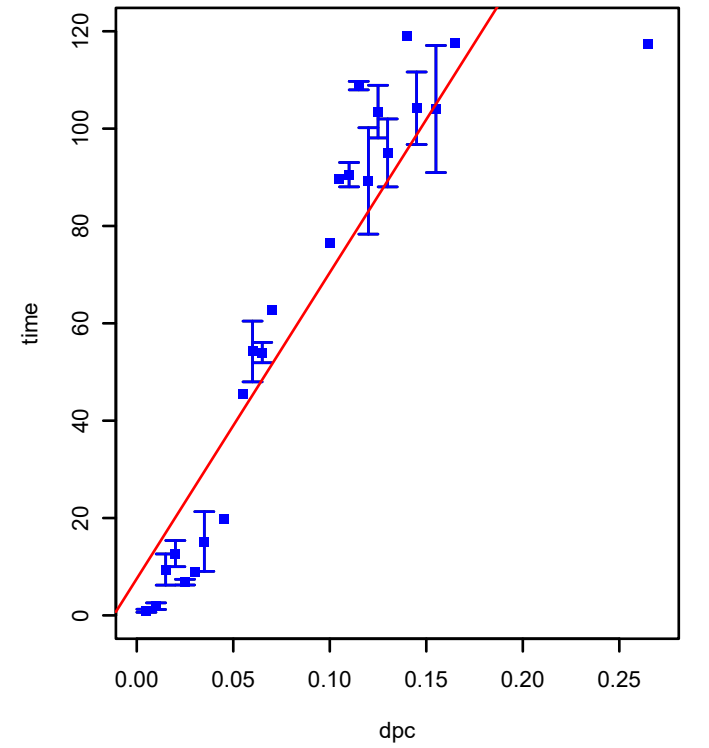
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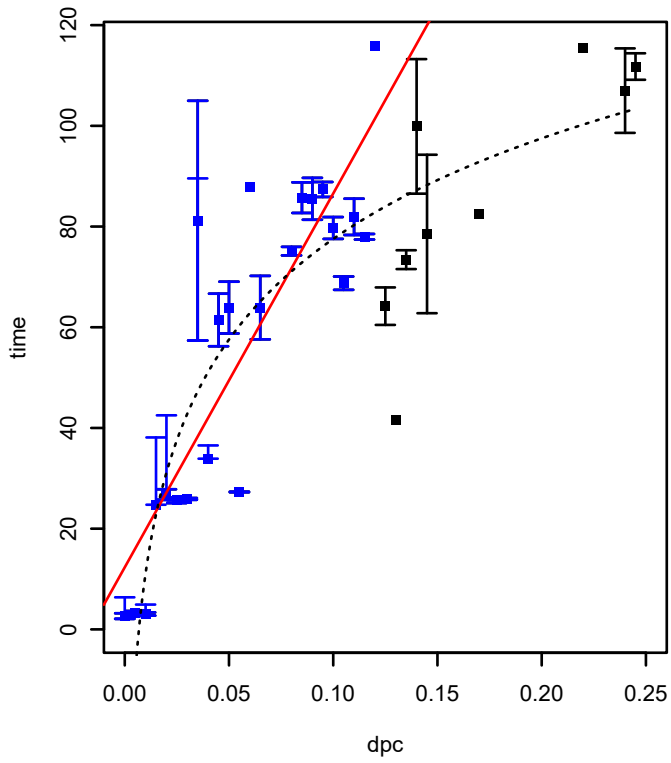
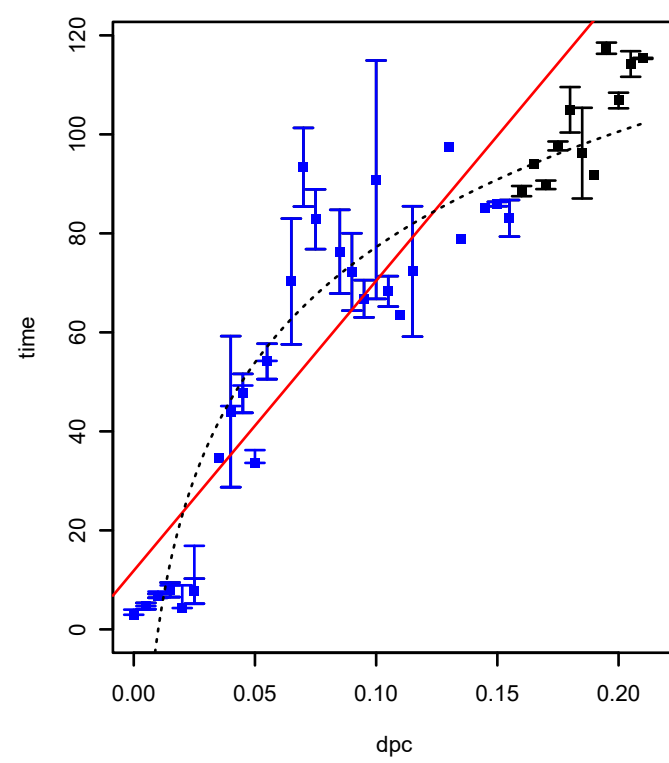
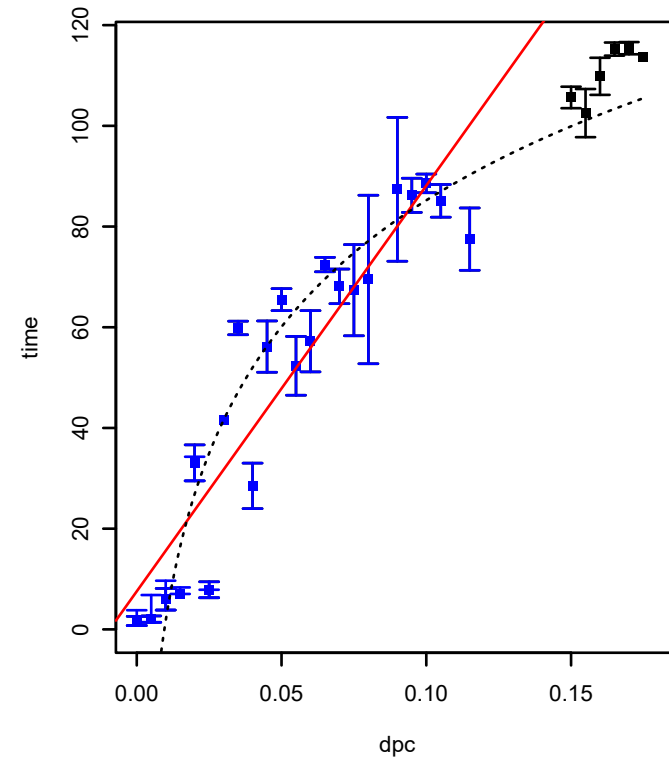
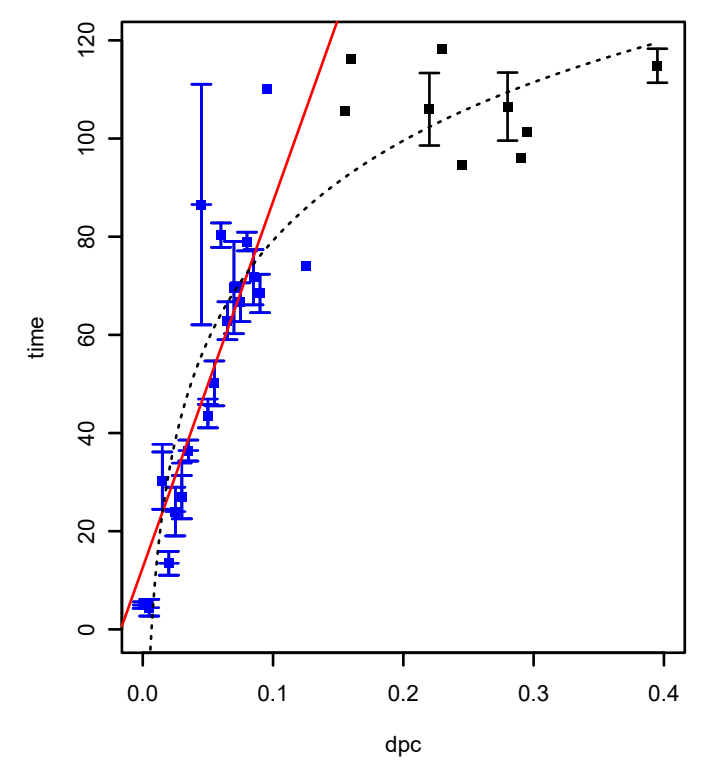
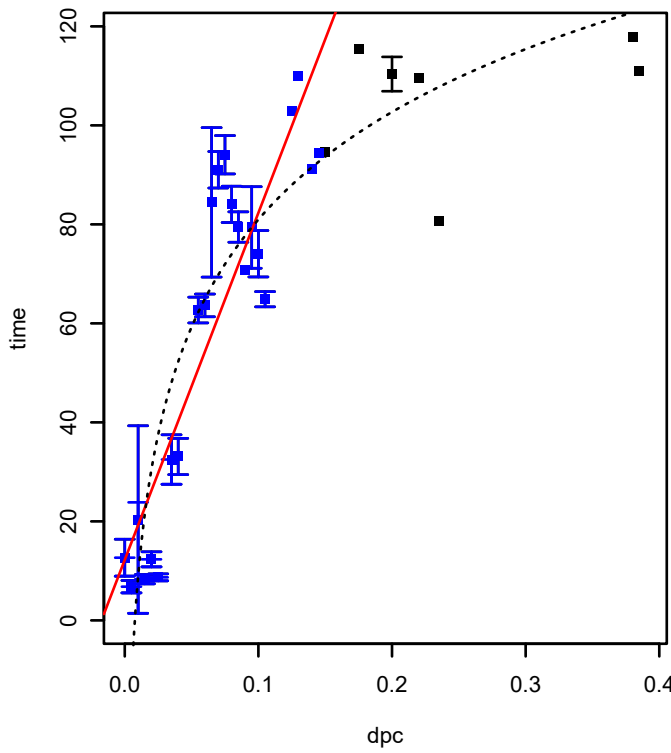
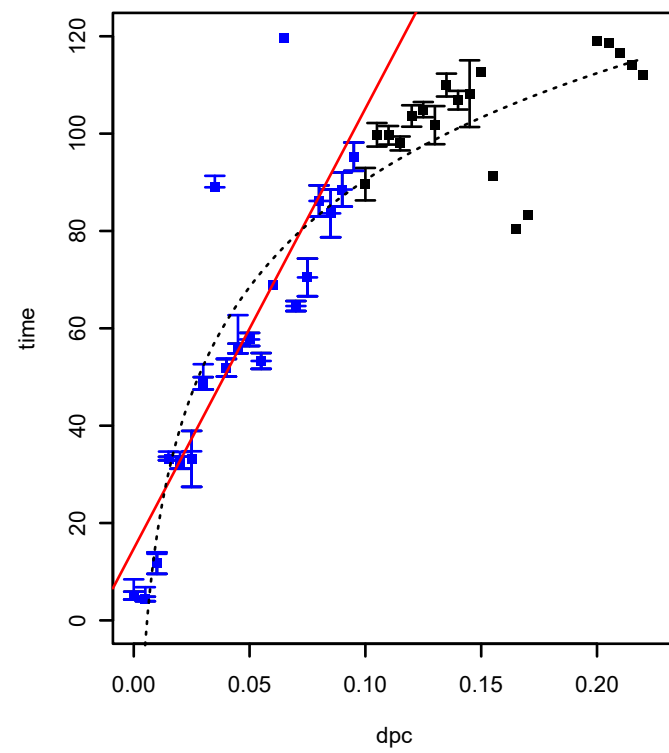
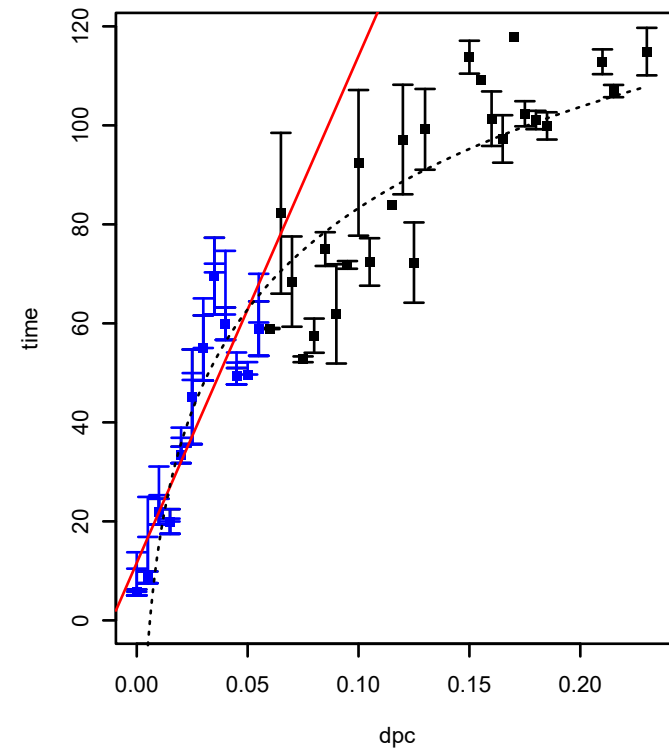
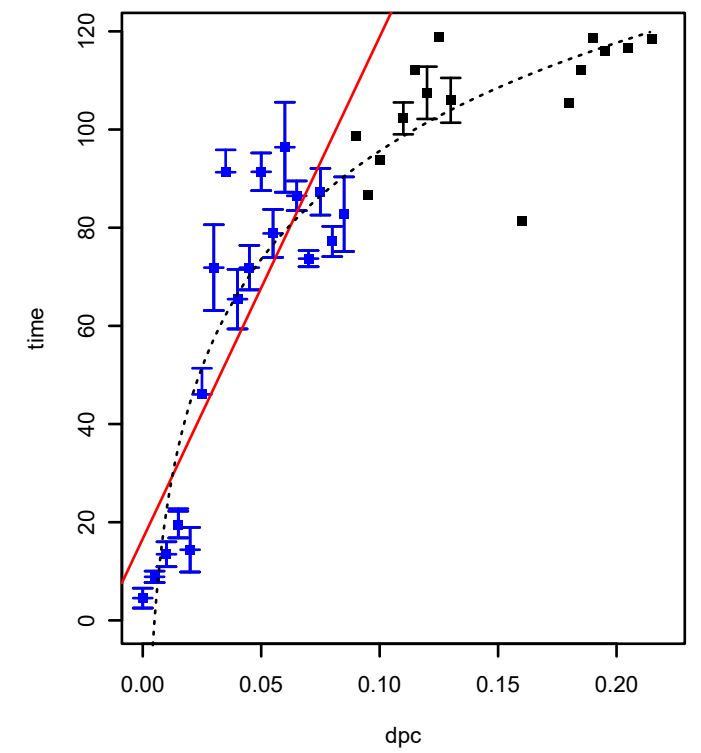
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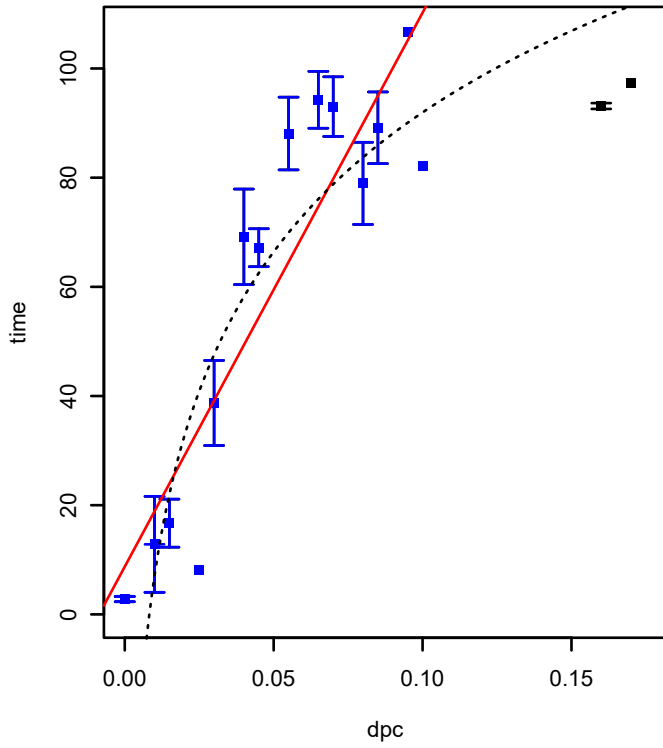
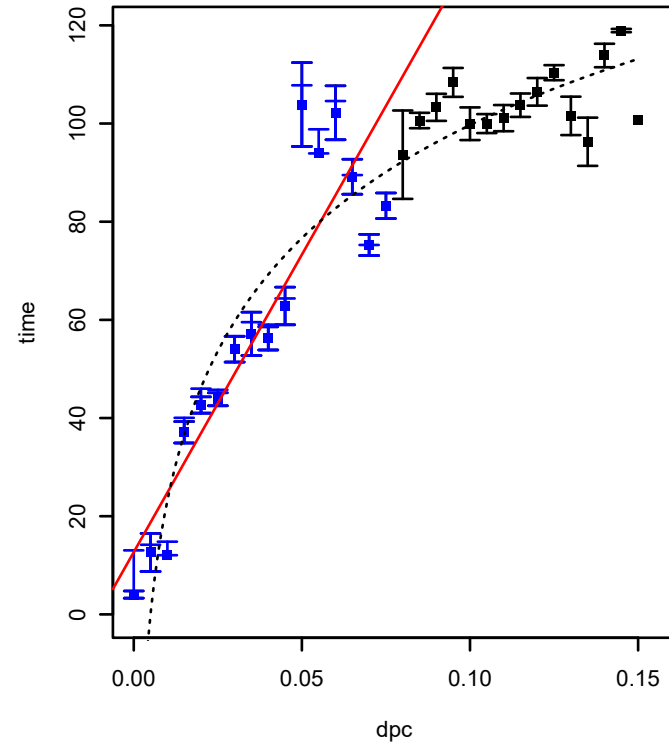
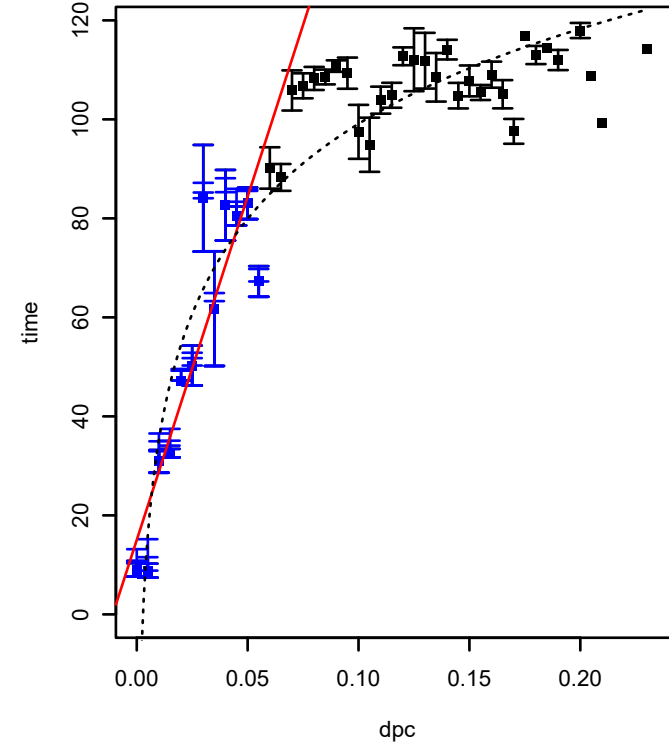
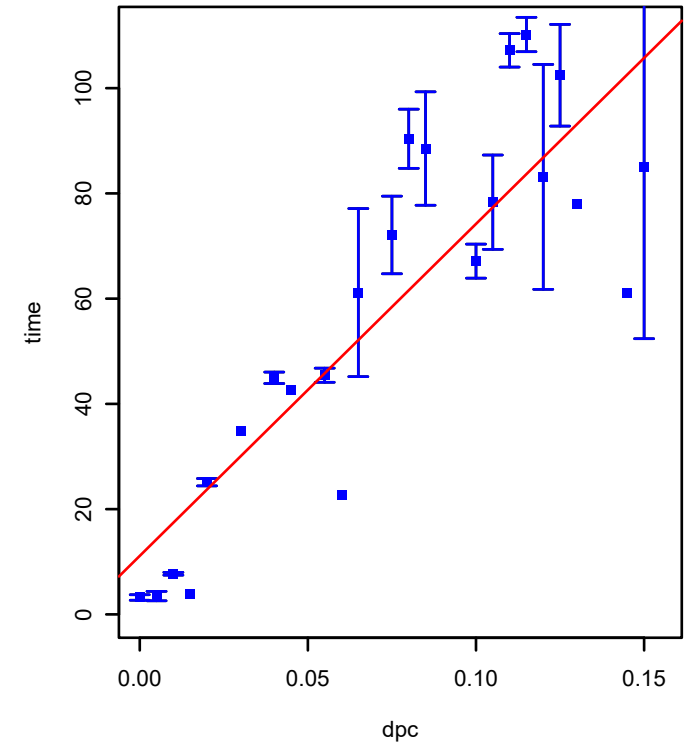
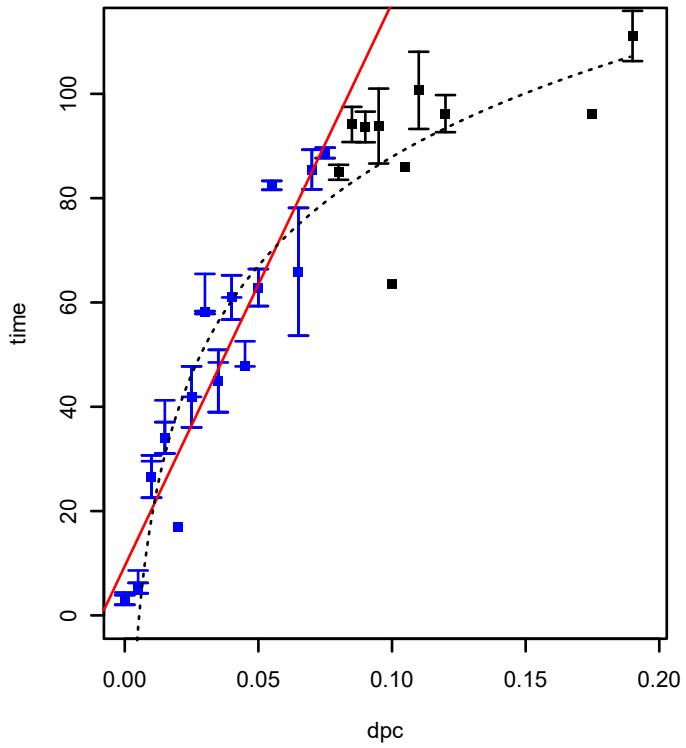
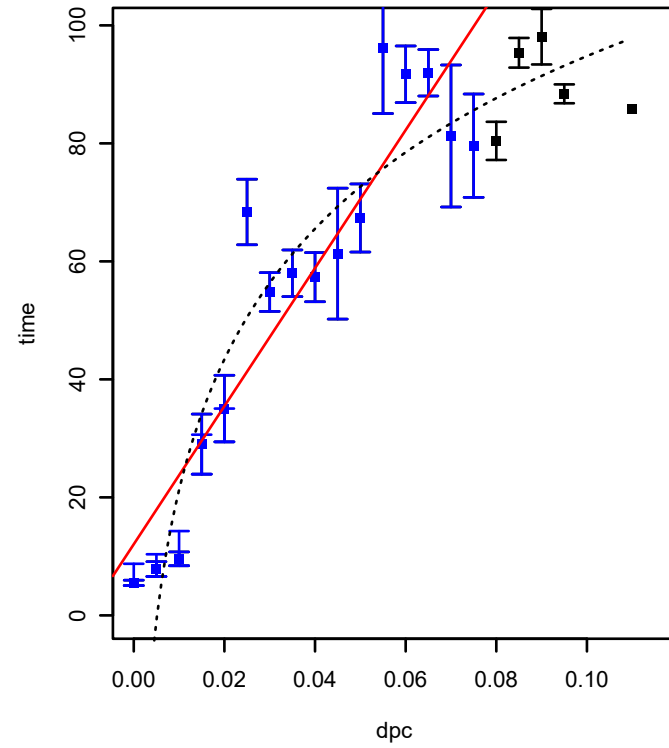
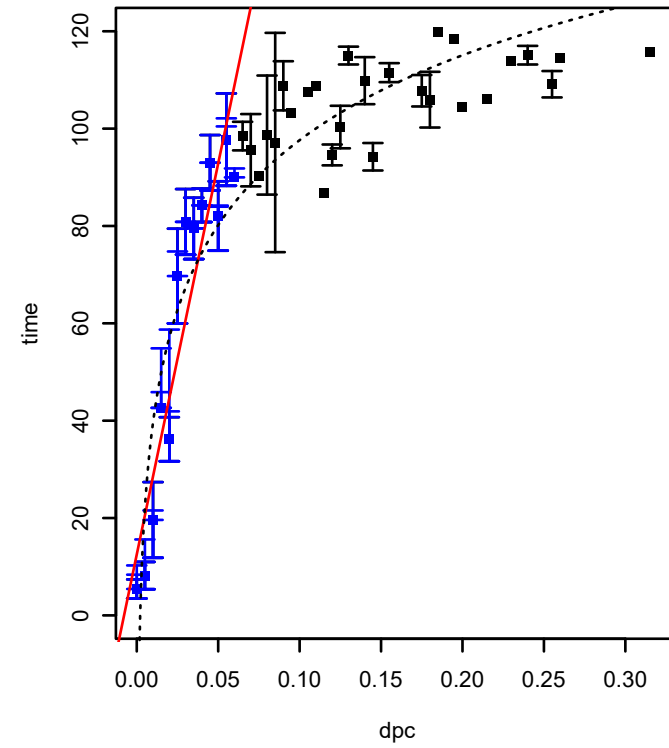
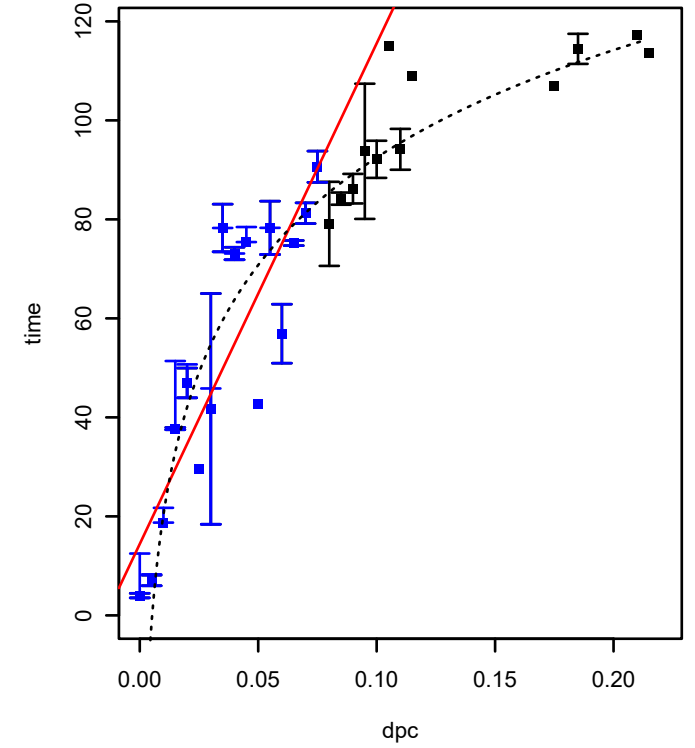
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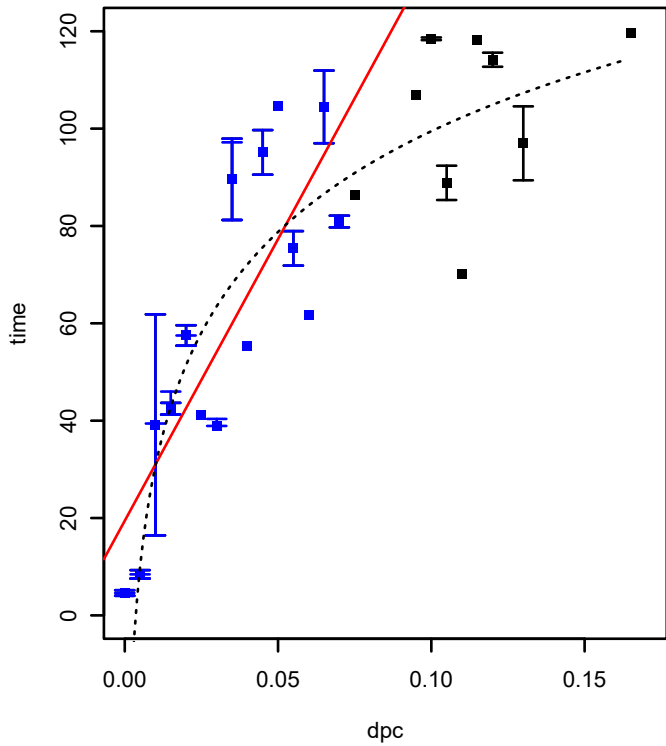
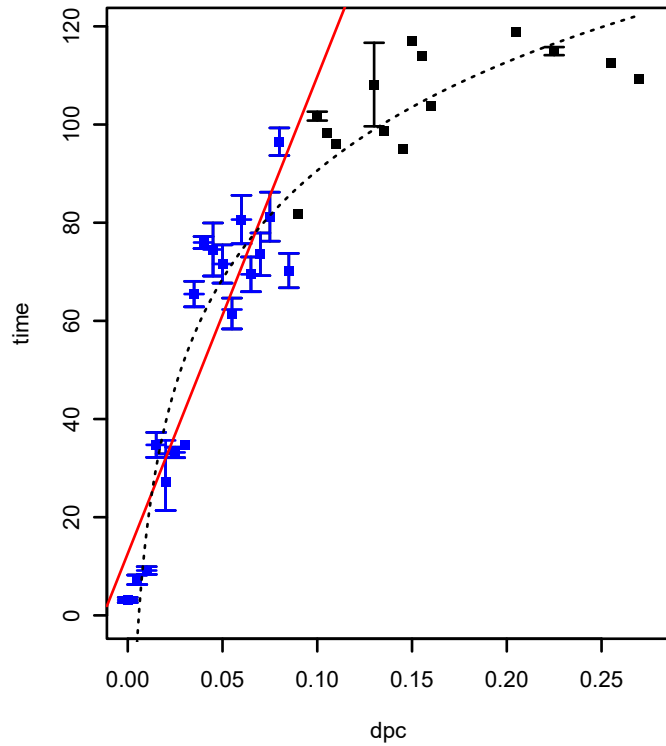
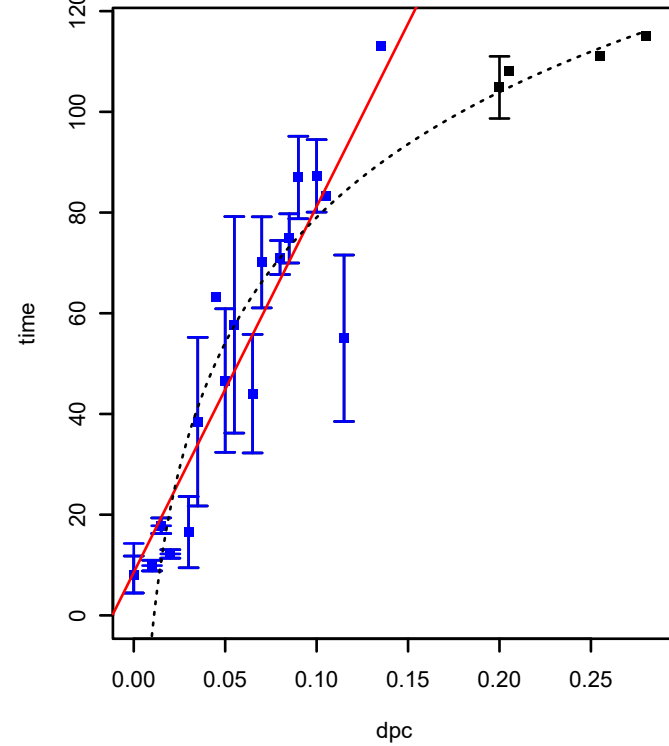
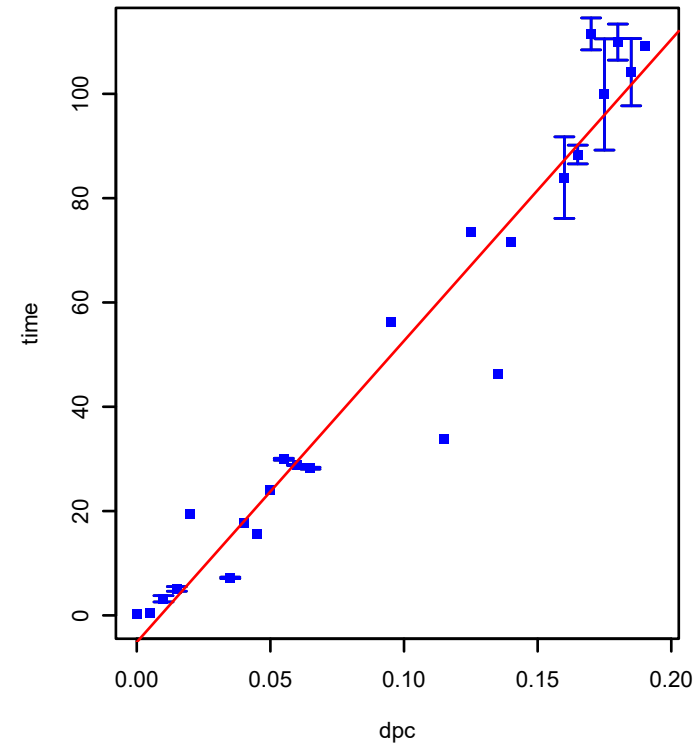
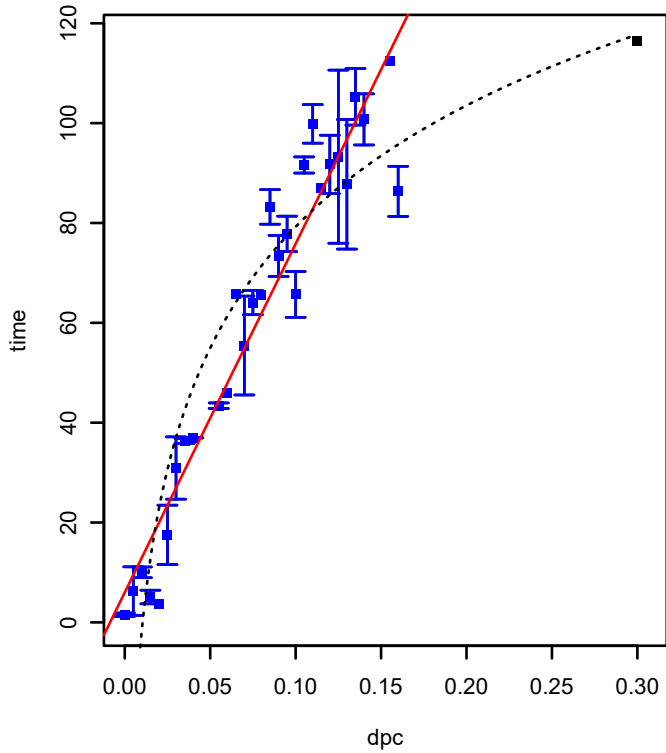
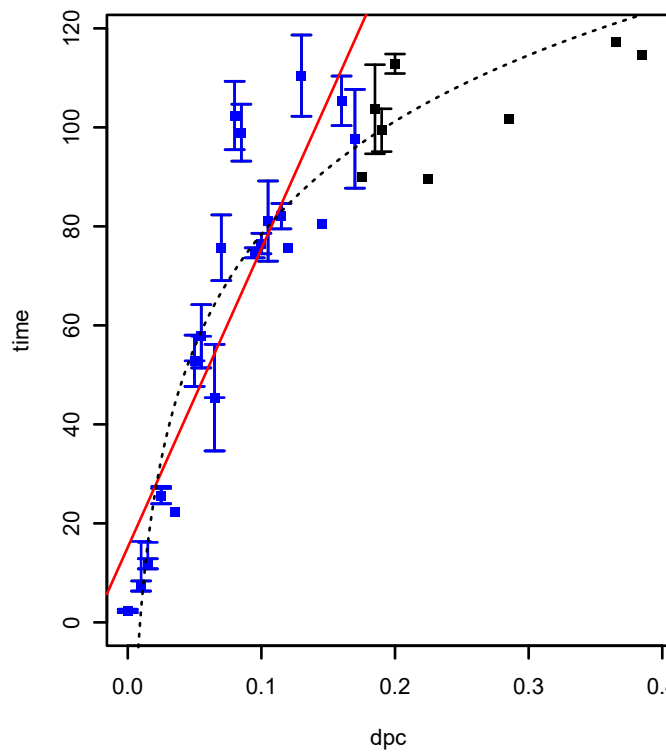
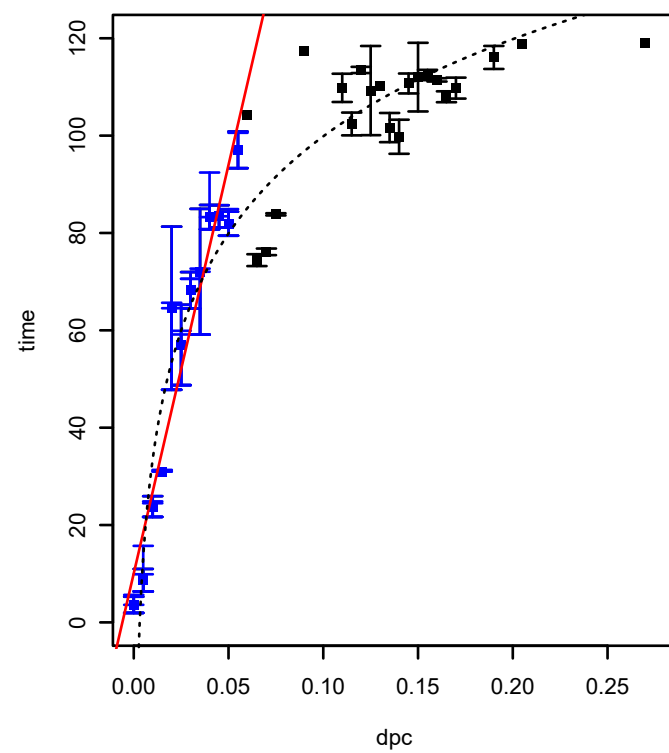
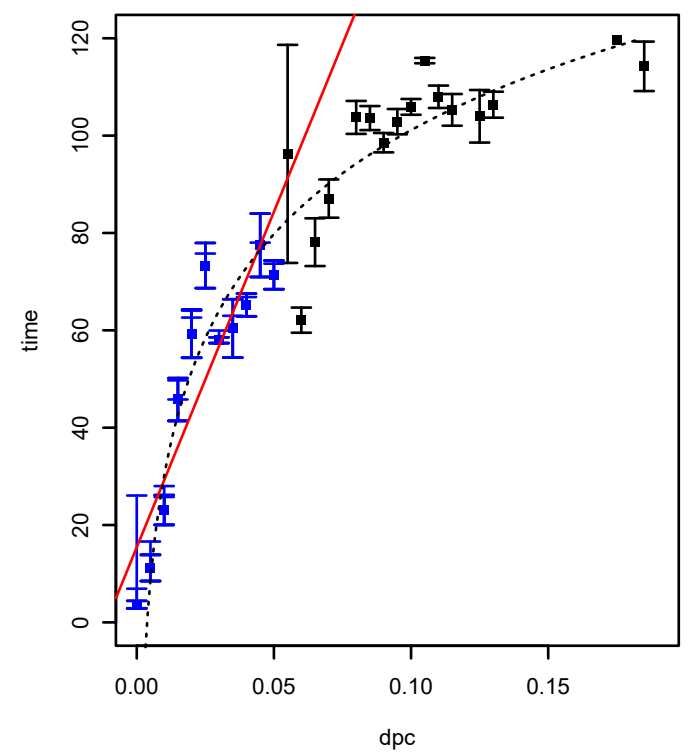
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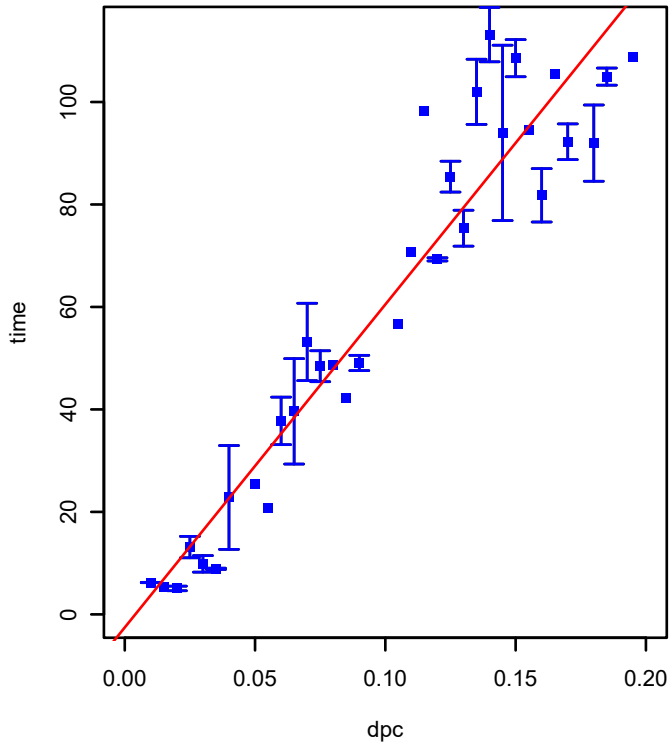
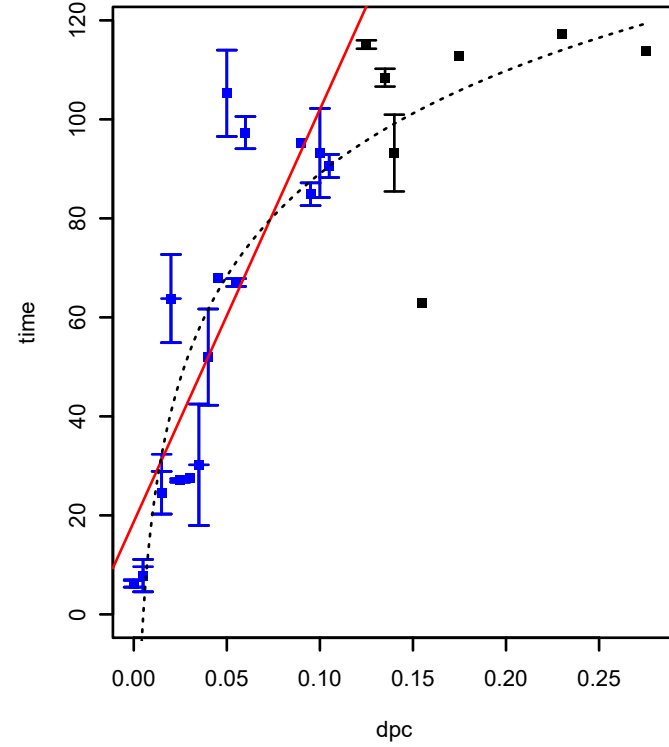
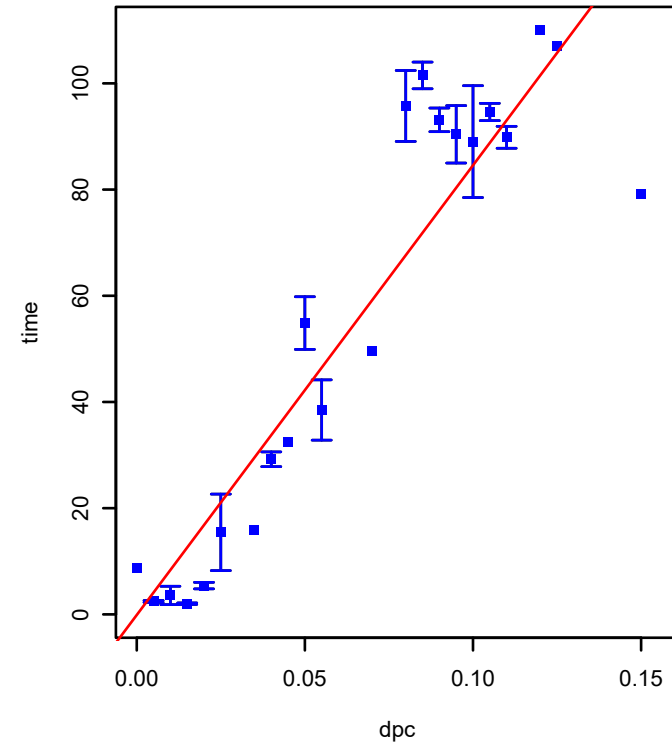
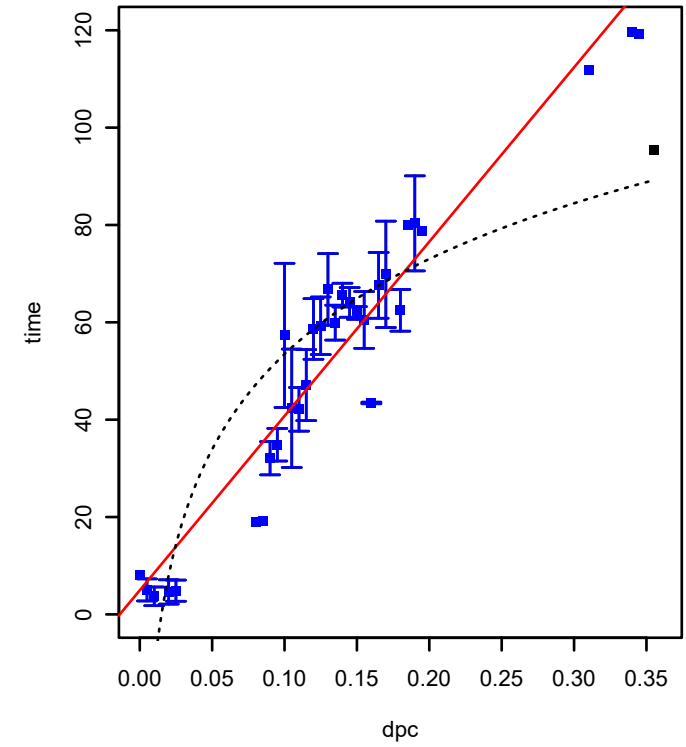
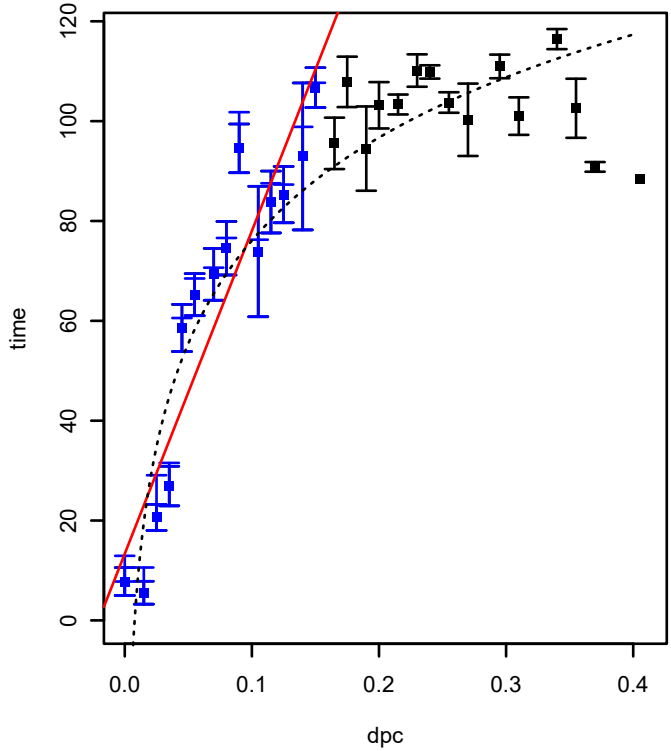
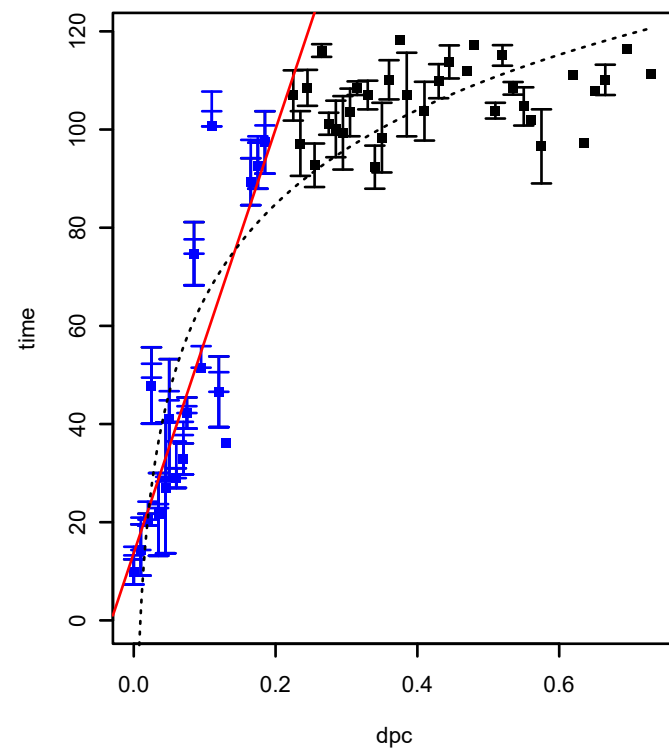
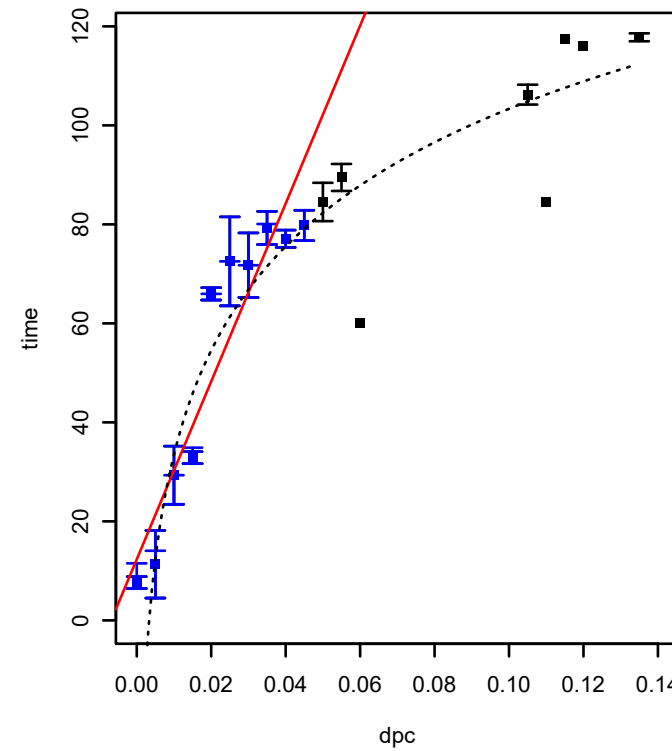
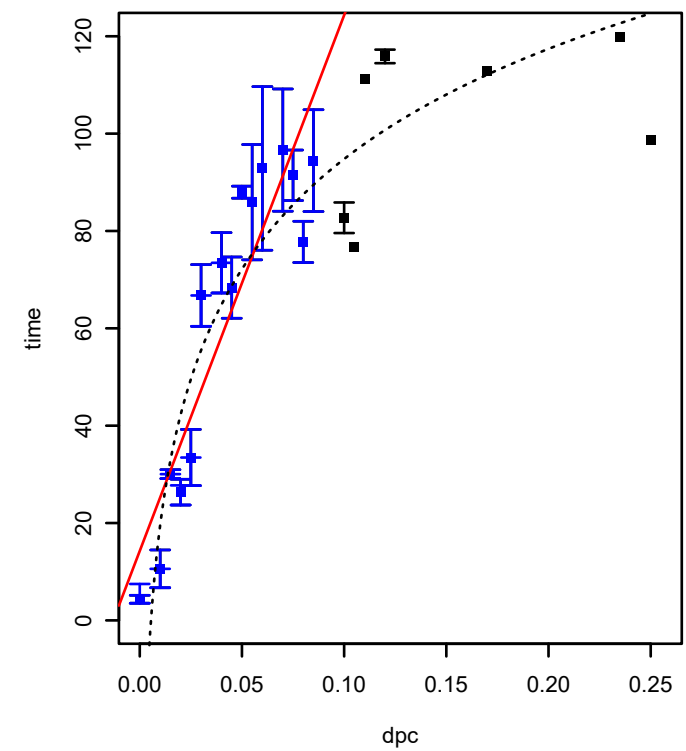
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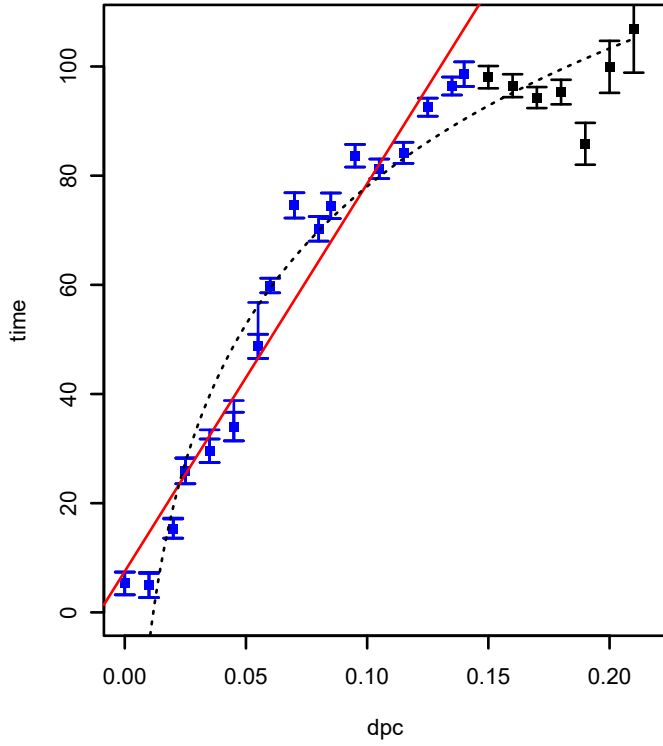
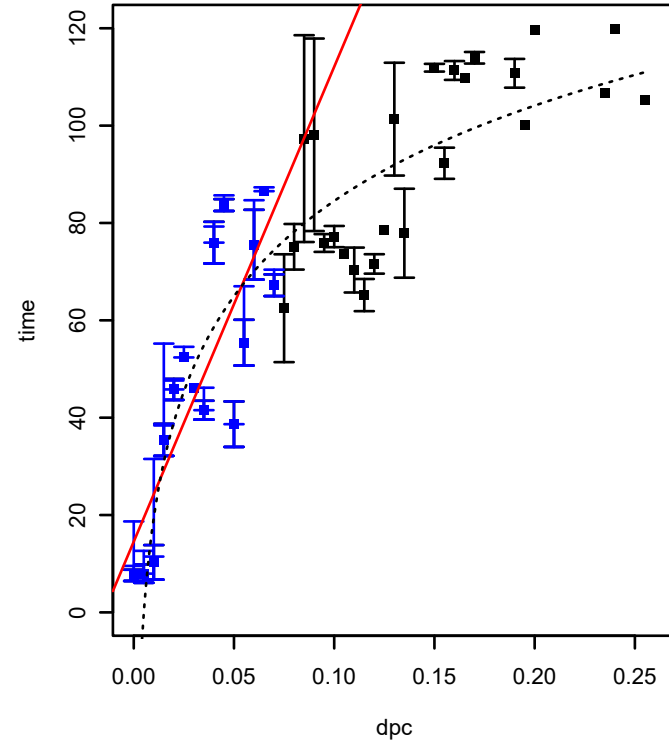
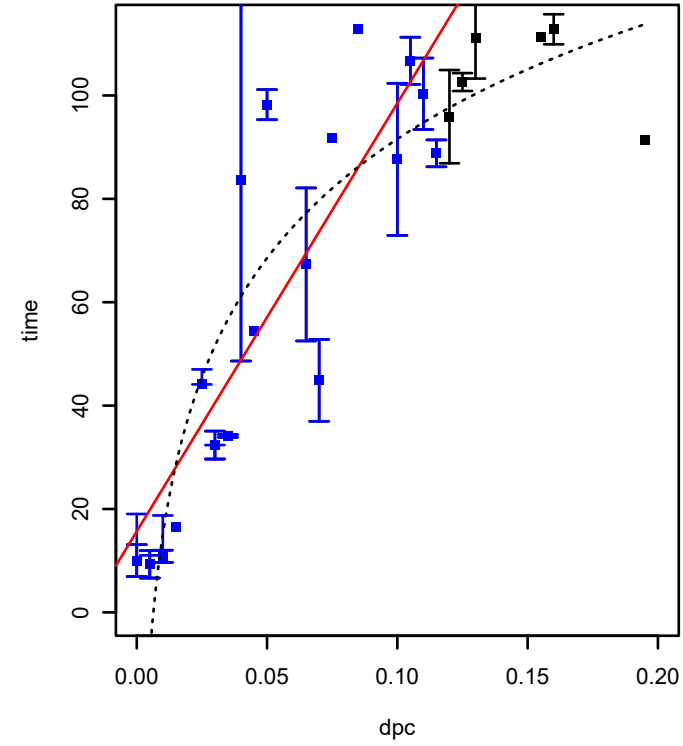
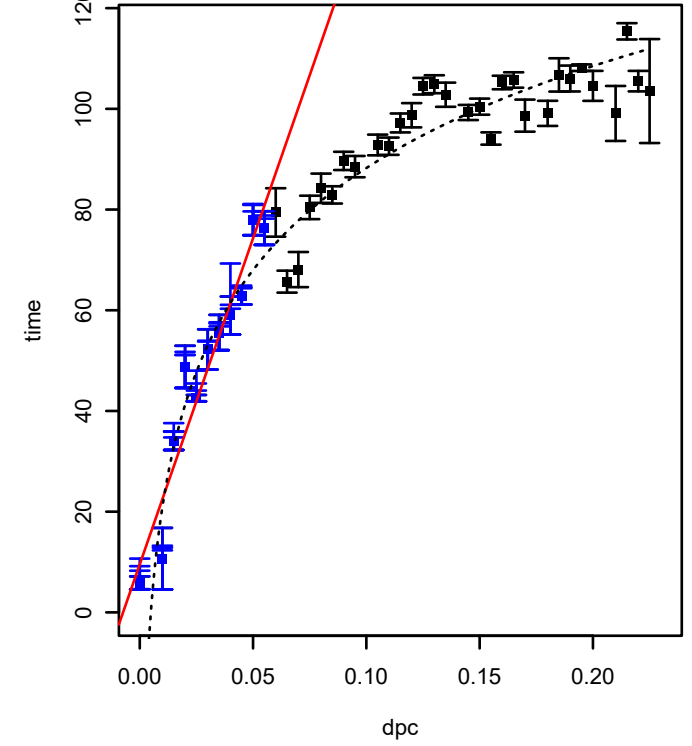
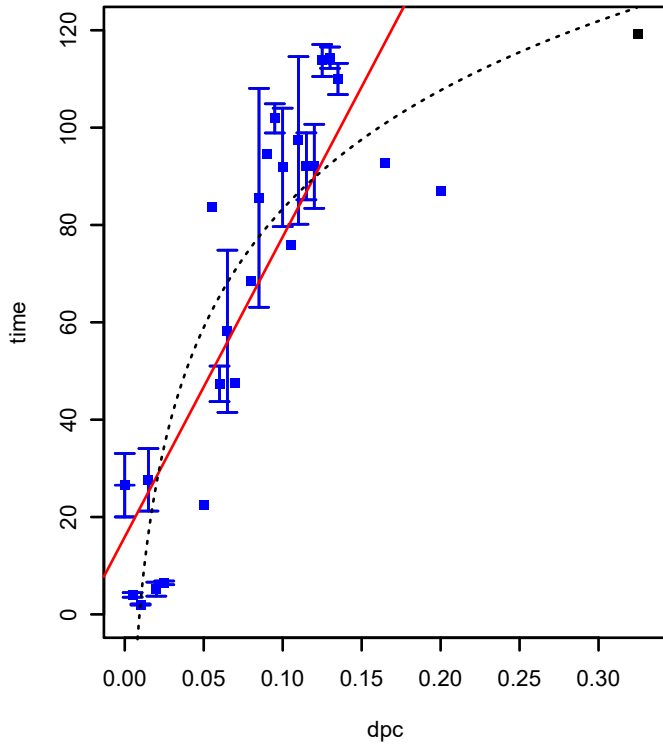
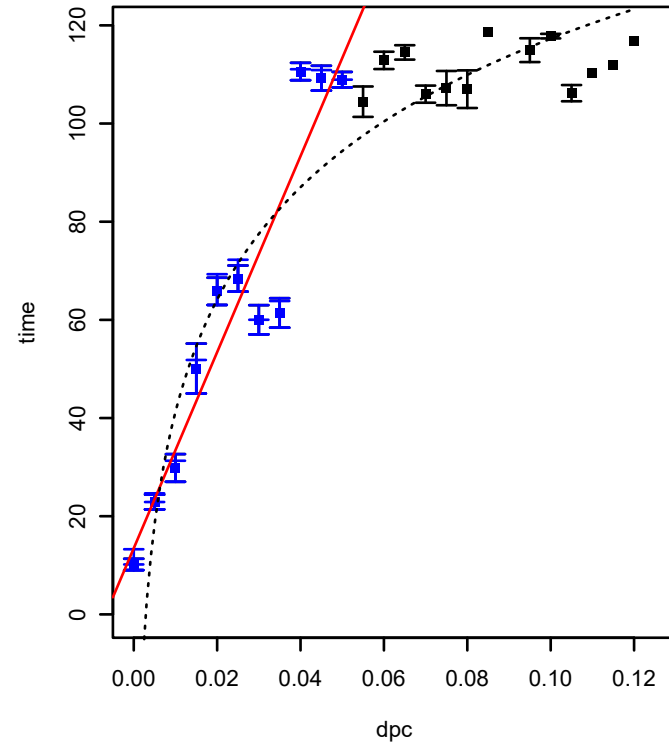
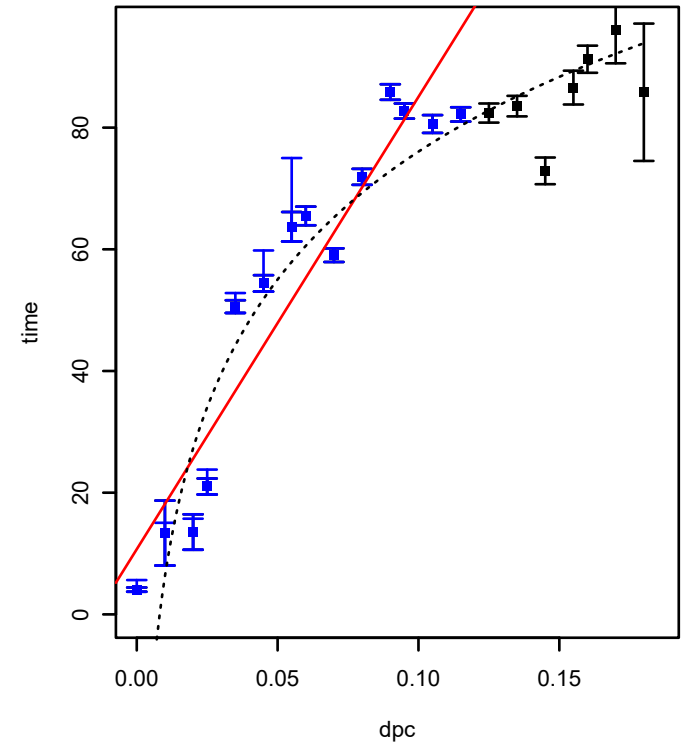
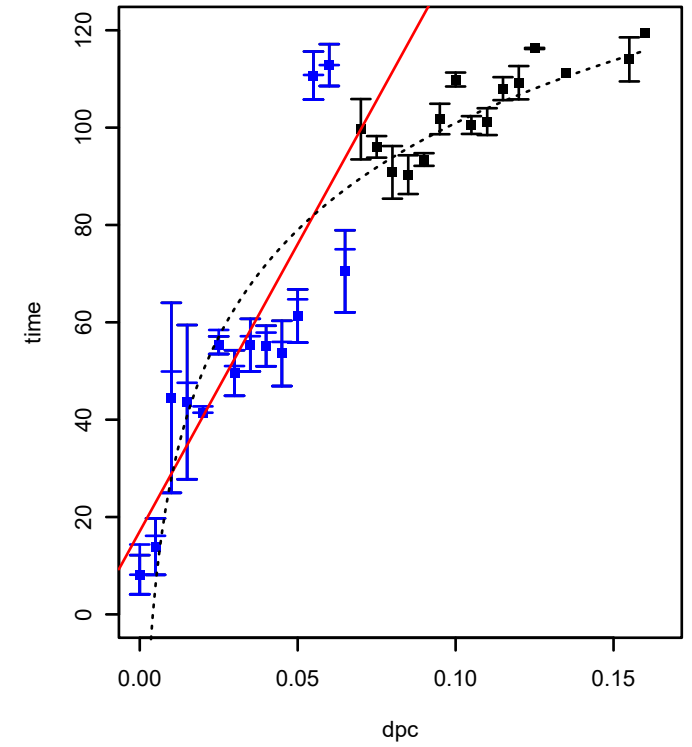
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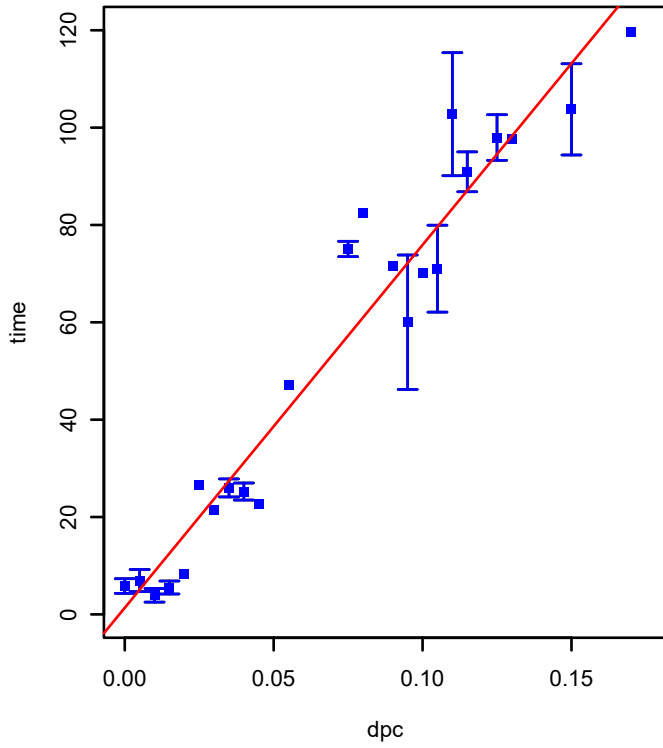
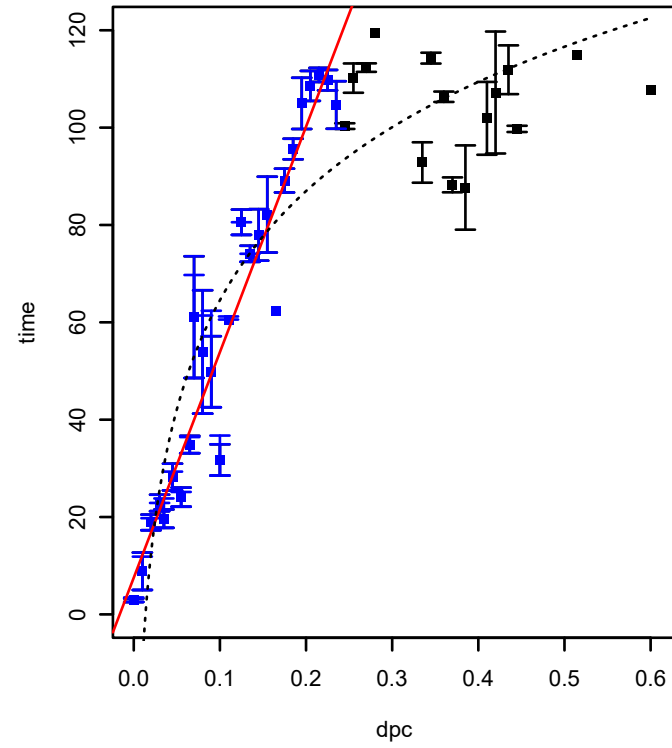
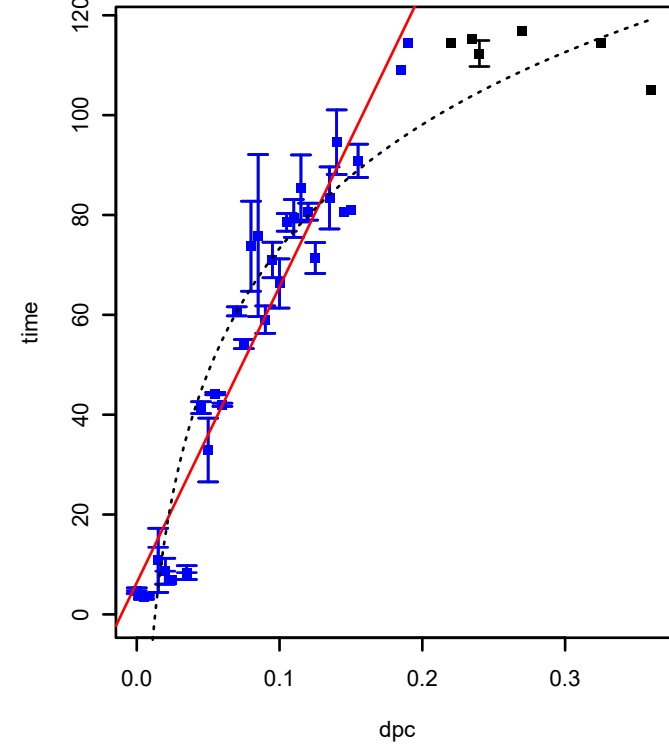
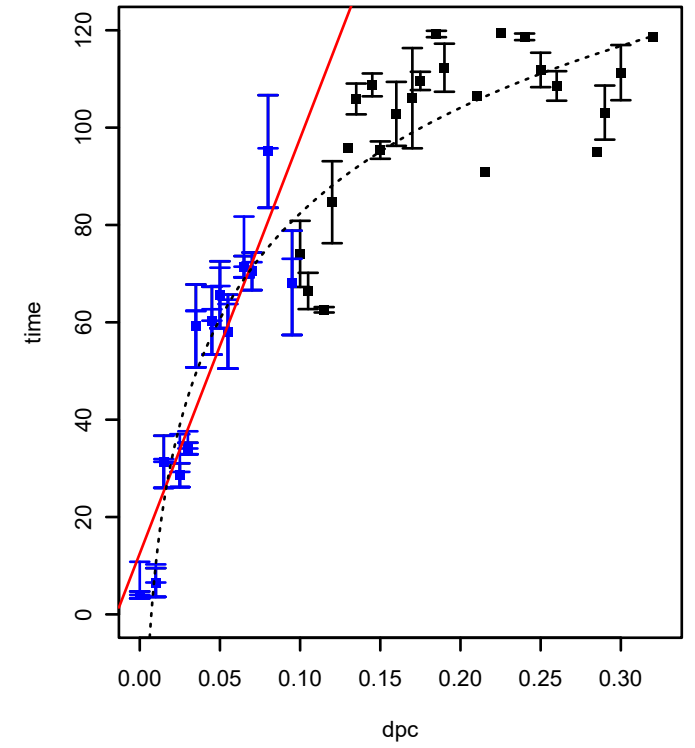
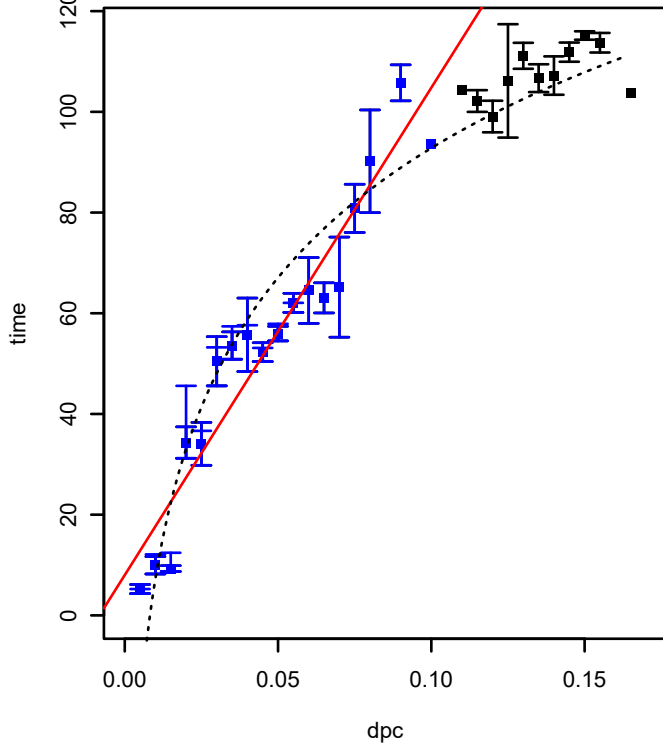
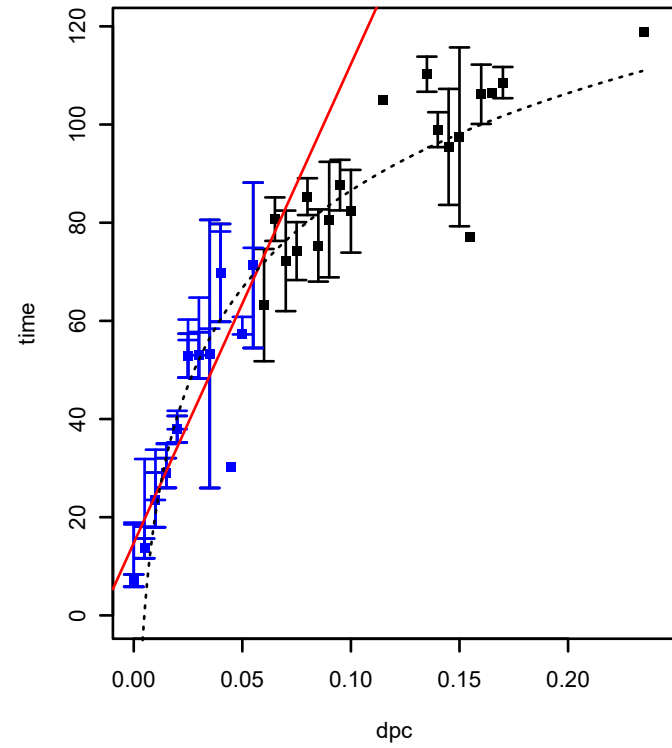
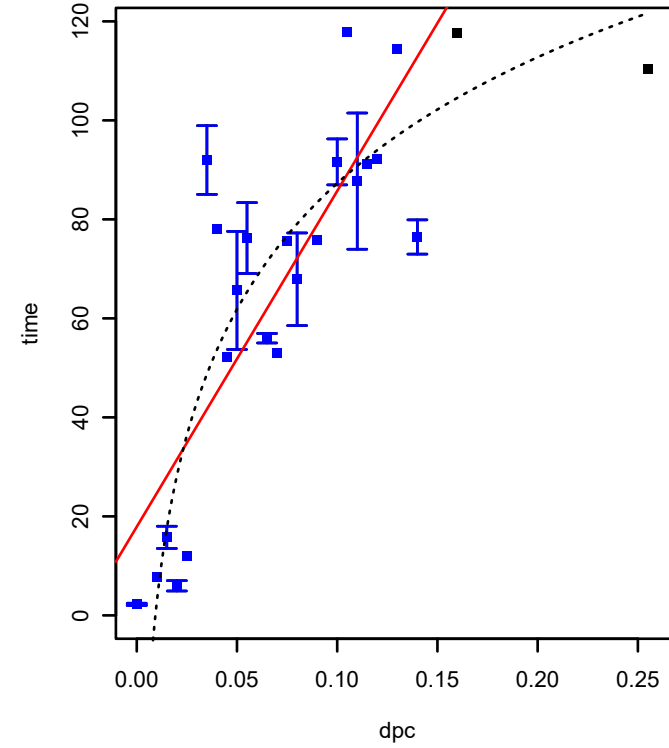
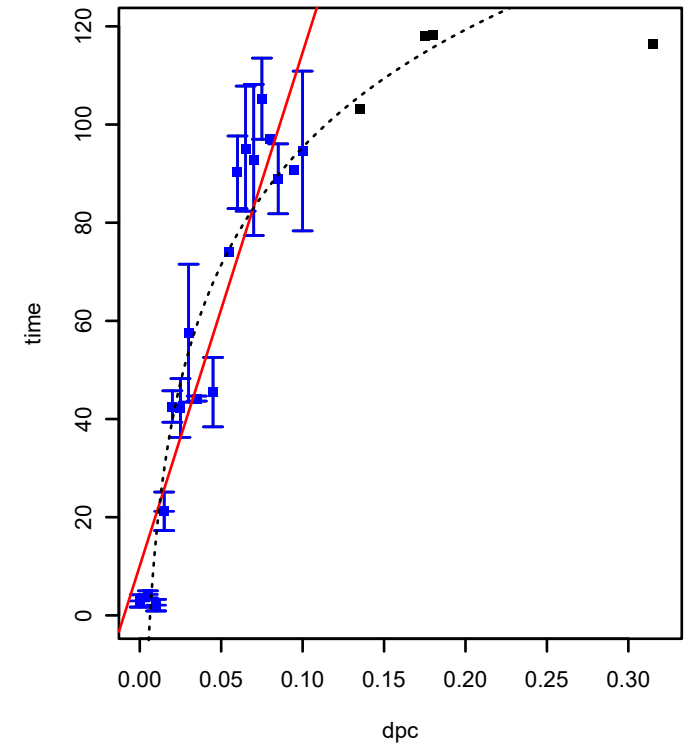
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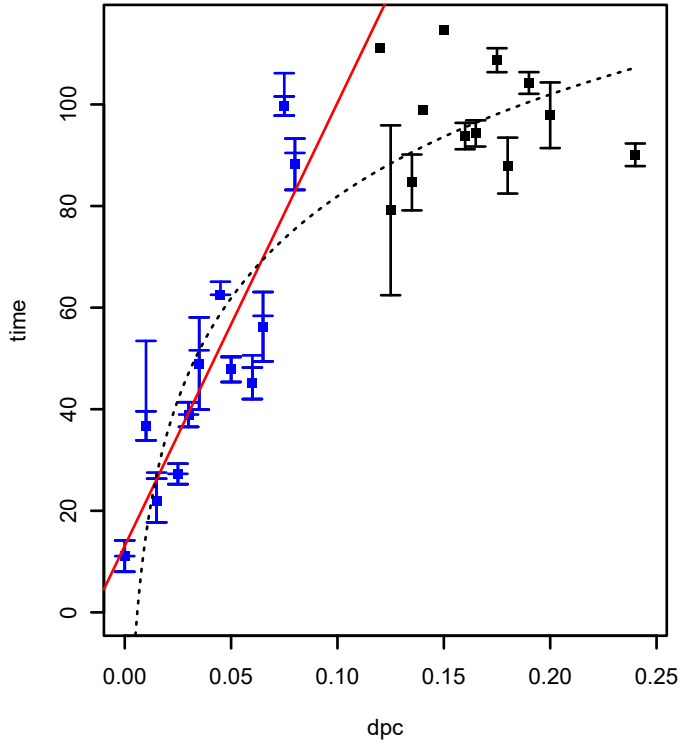
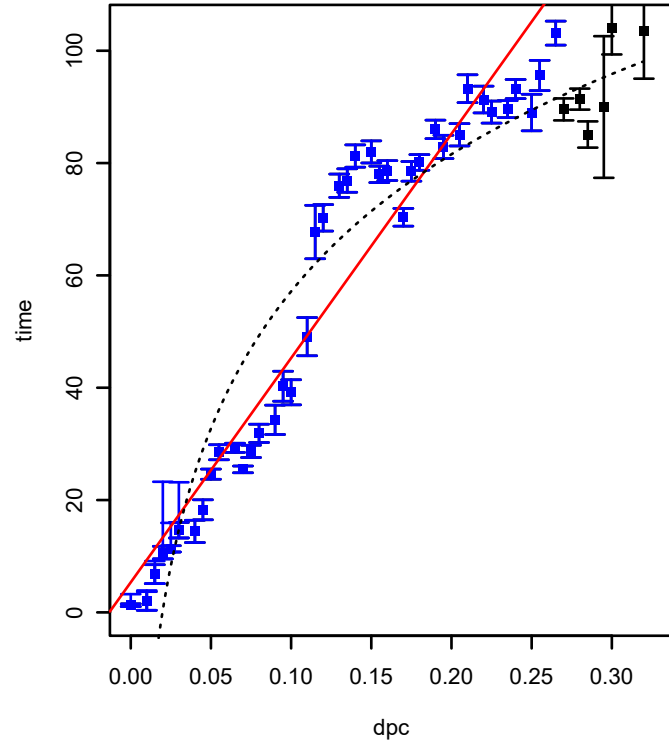
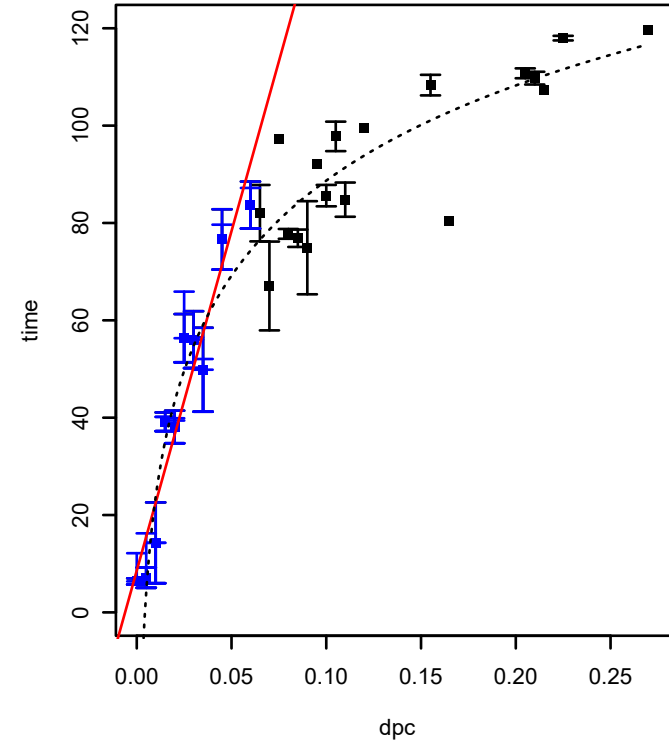
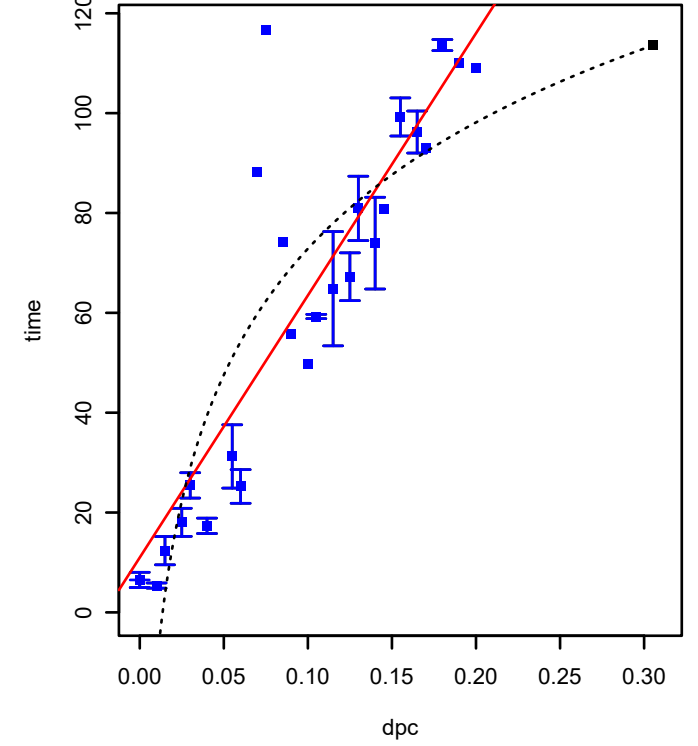
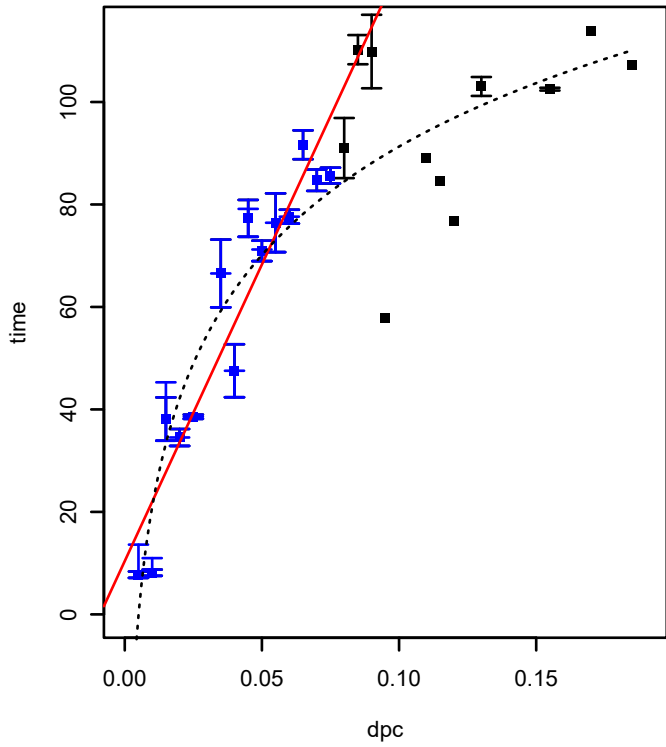
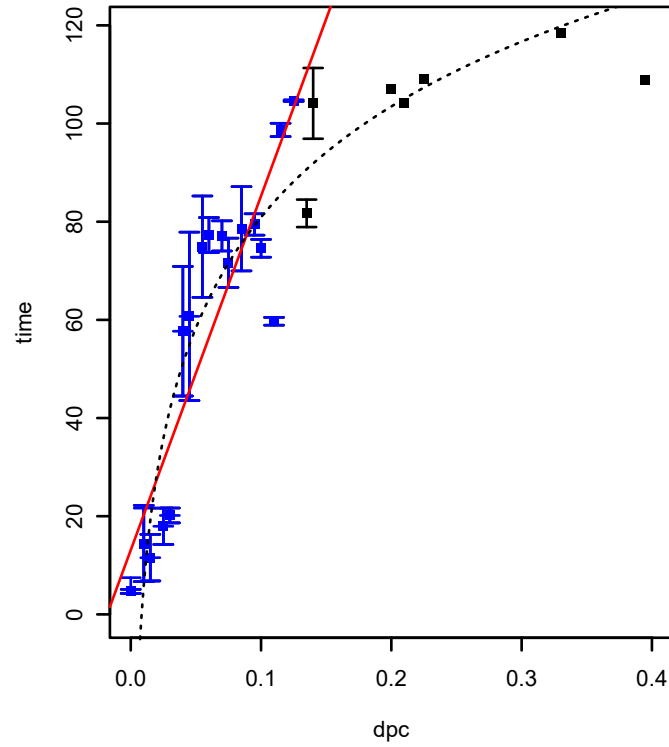
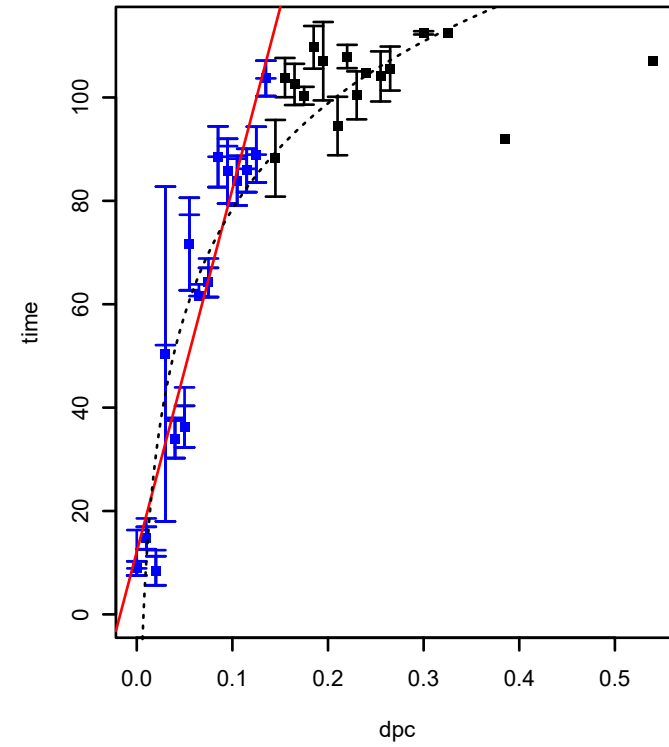
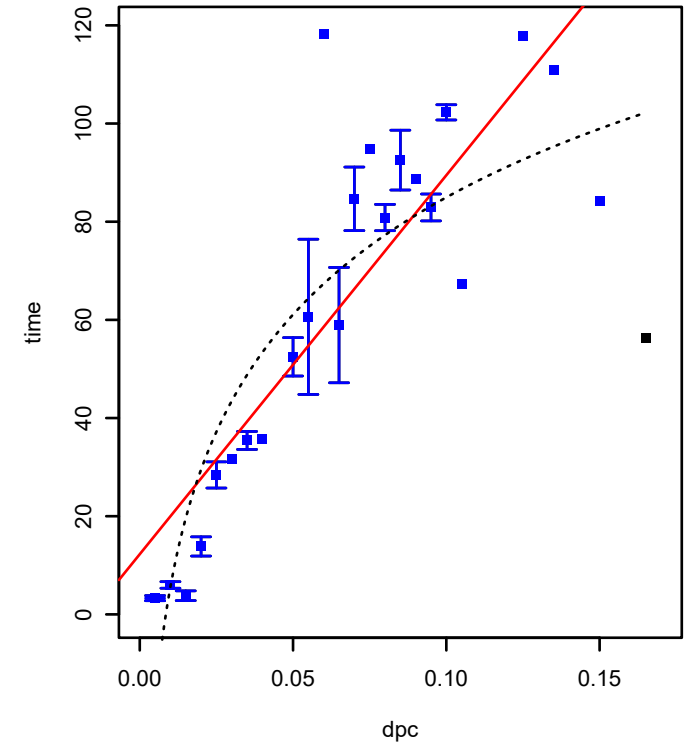
SPO3887 (COG3030) (*HTCC2255-Basal)**SPO3337 (COG2171)****SPO2585 (COG1186)****SPO0806 (COG0135) (*HTCC2255-Basal)****SPO0397 (COG2844) (*HTCC2255-Basal)****SPO2744 (COG0679) (*HTCC2255-Basal)****SPO2126 (COG0400) (*HTCC2255-Basal)****SPO3003 (COG0318) (*HTCC2255-Basal)**

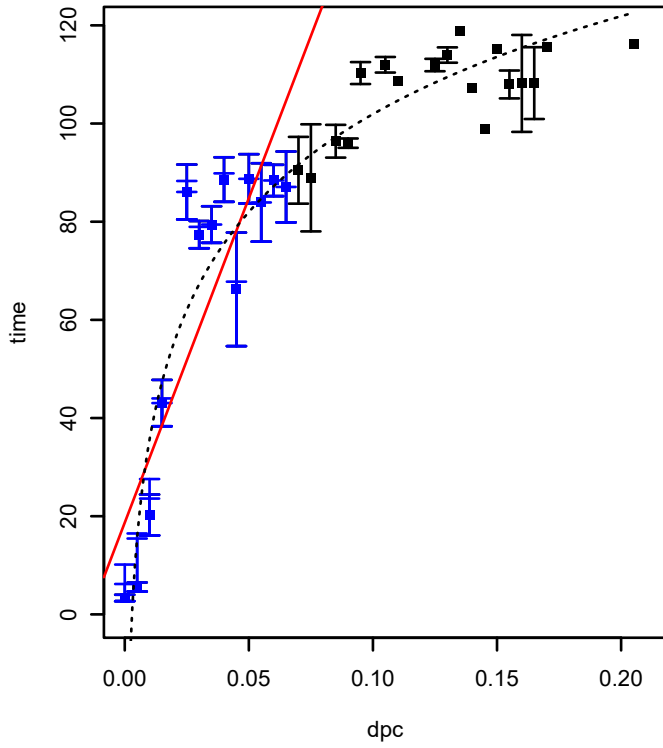
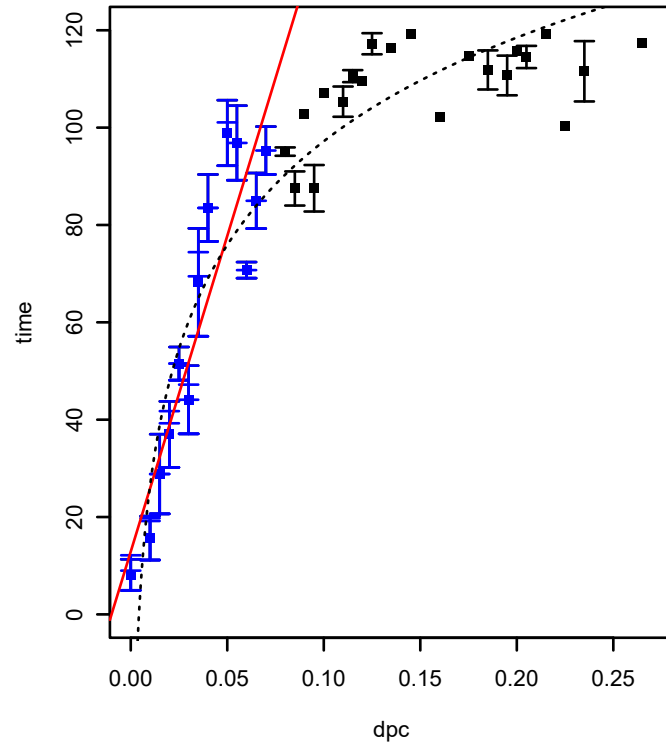
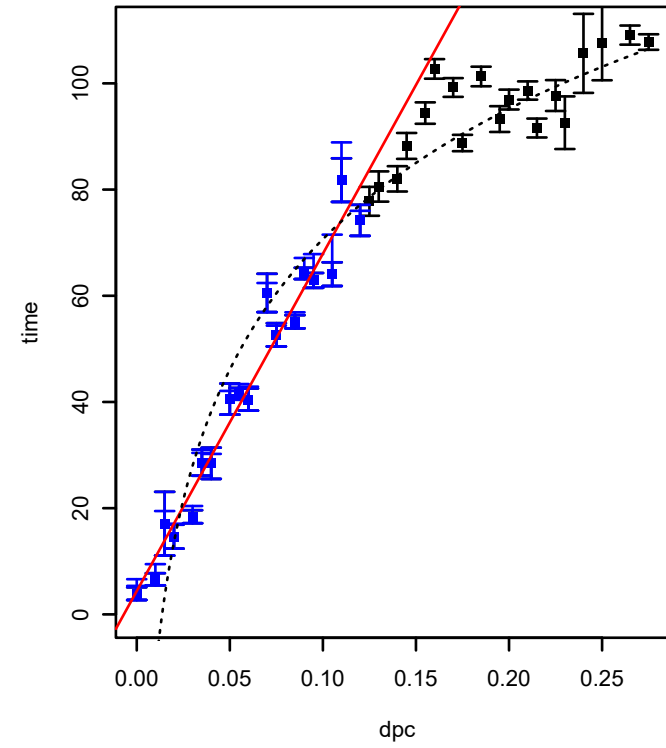
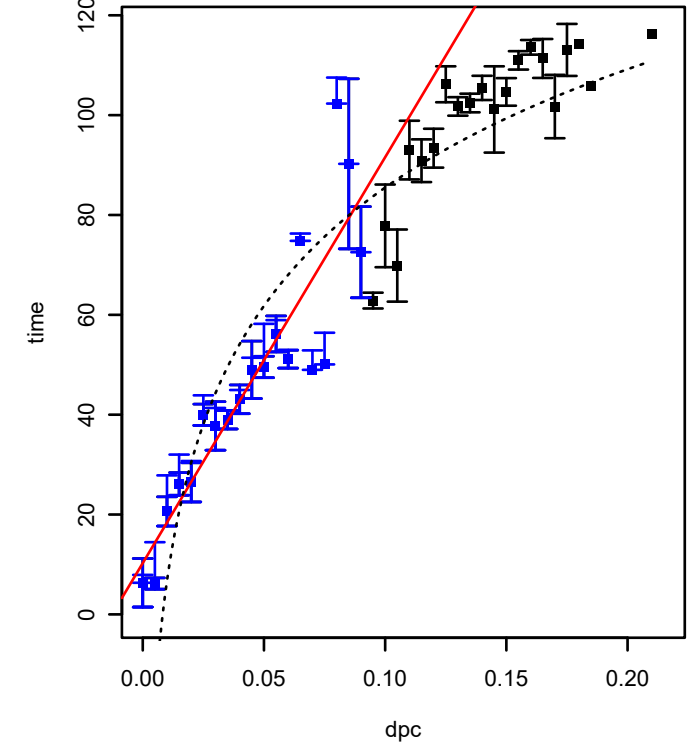
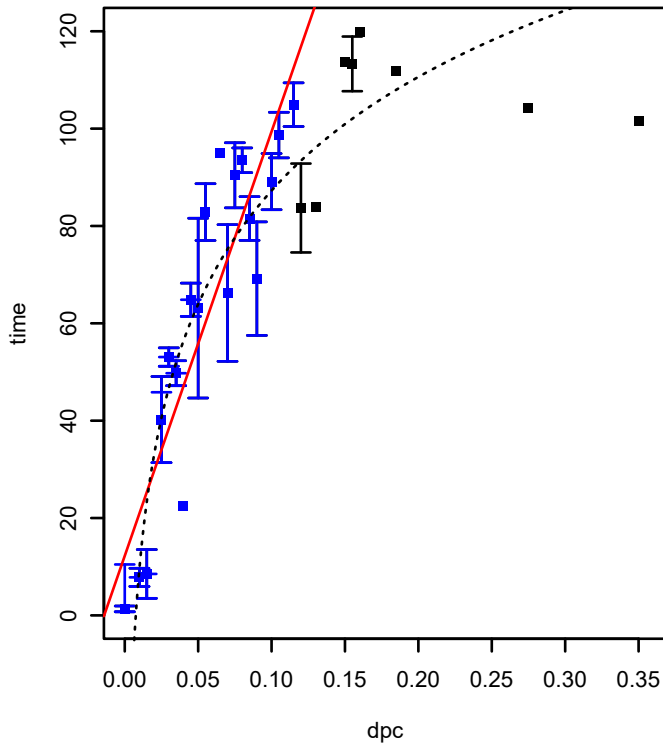
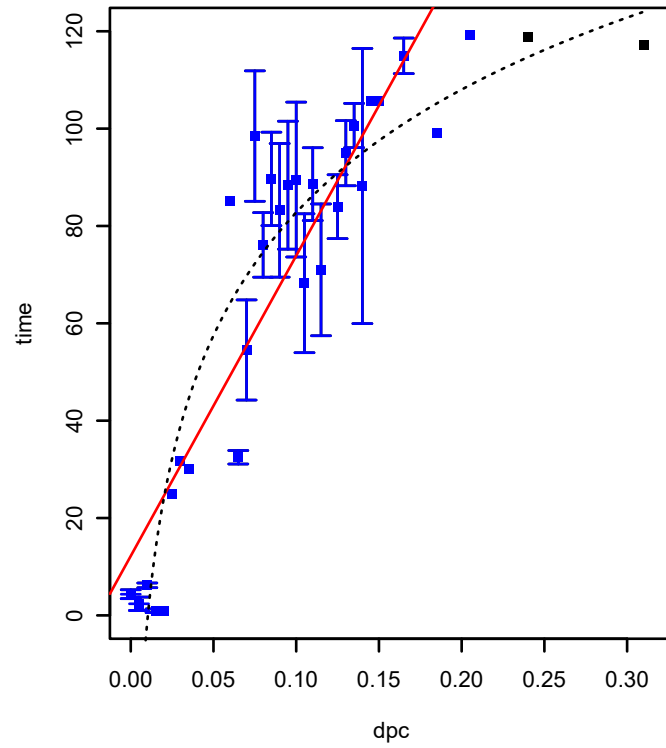
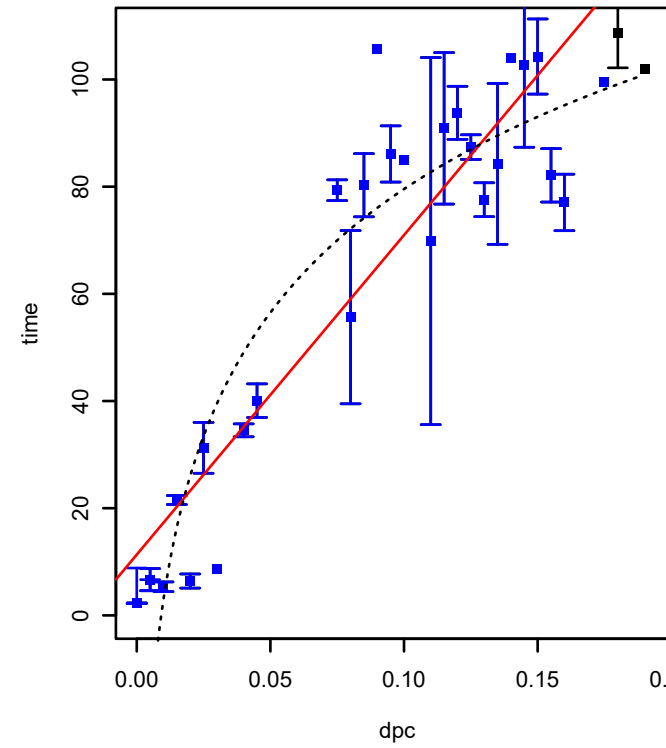
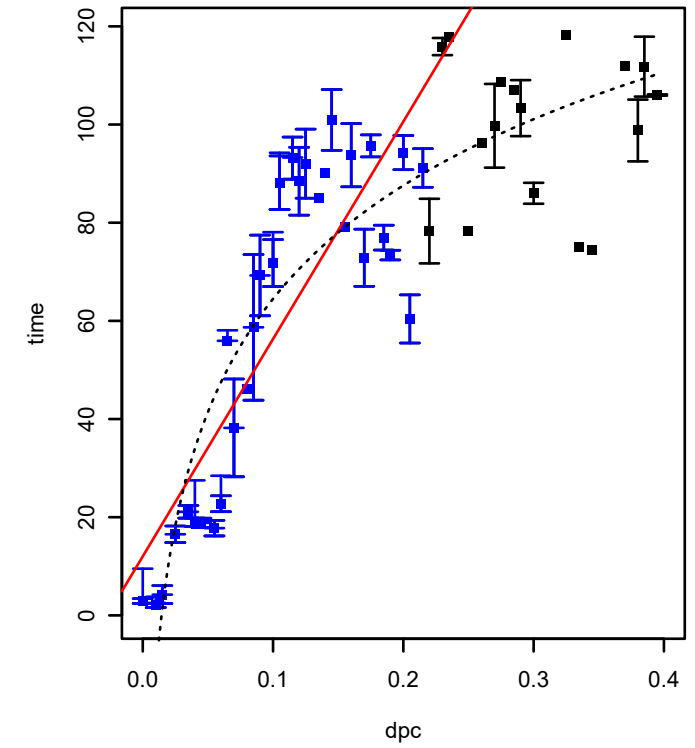
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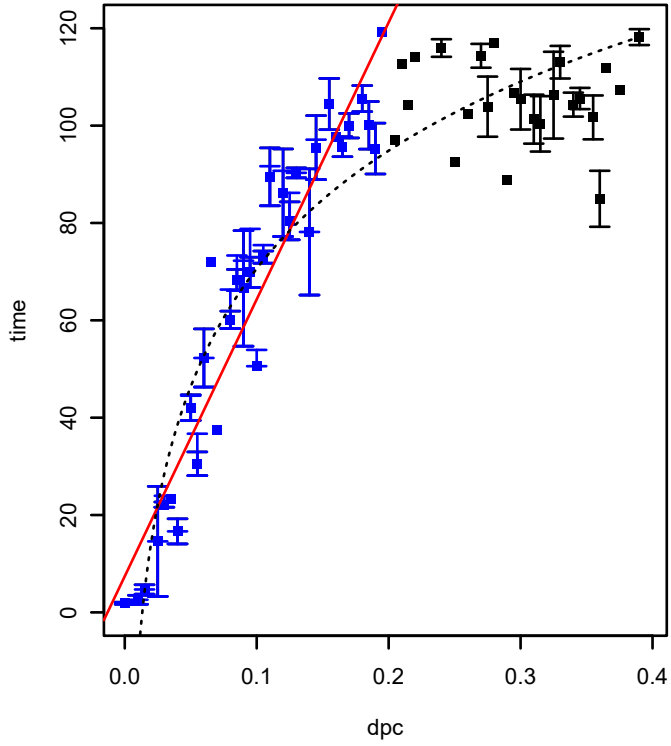
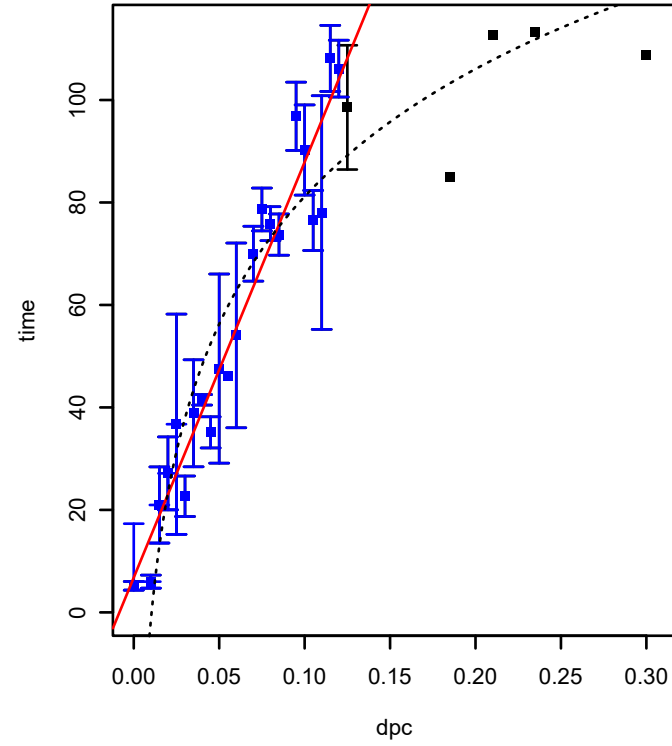
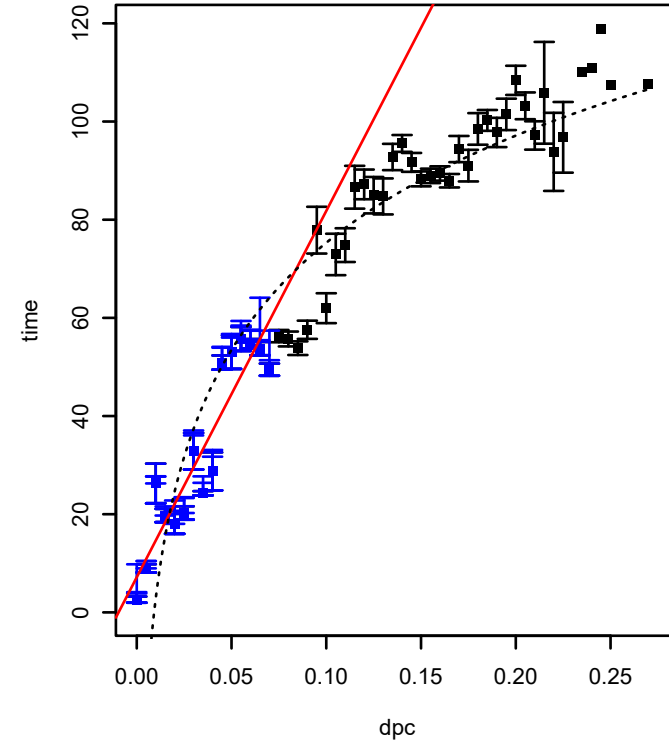
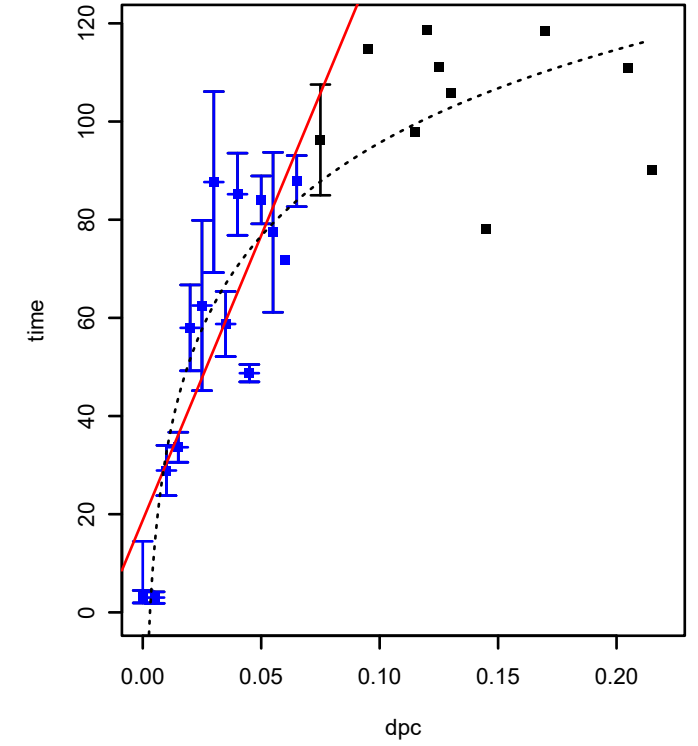
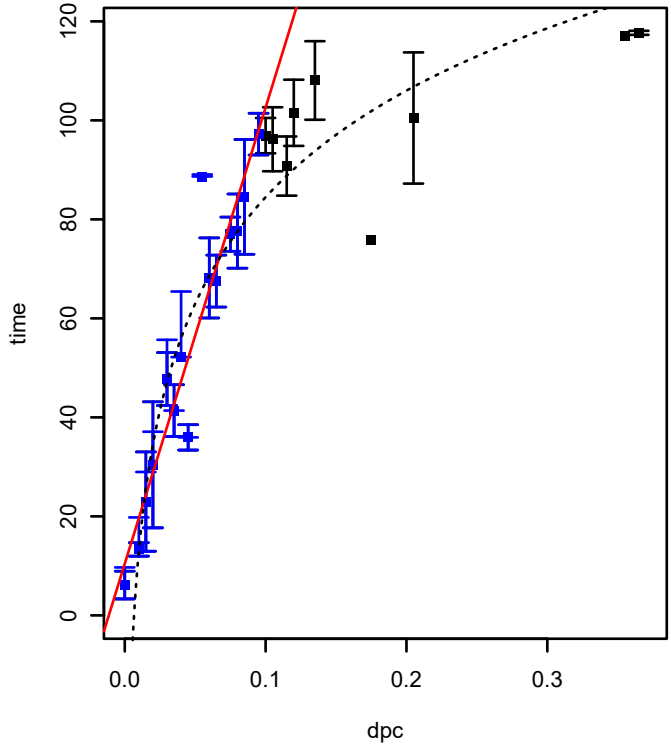
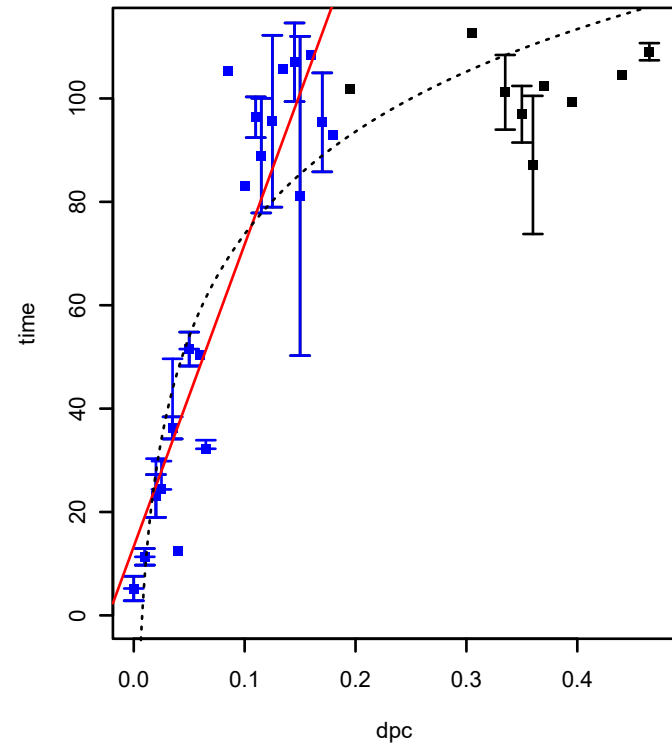
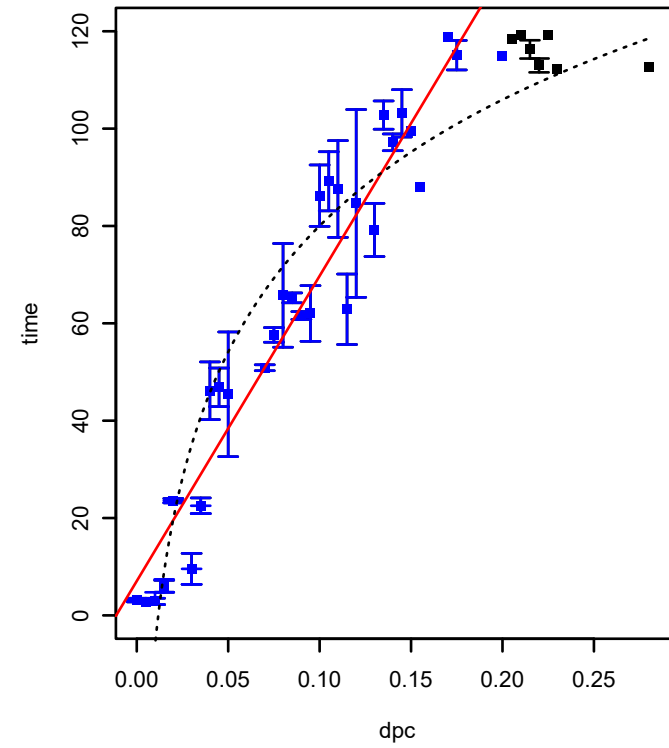
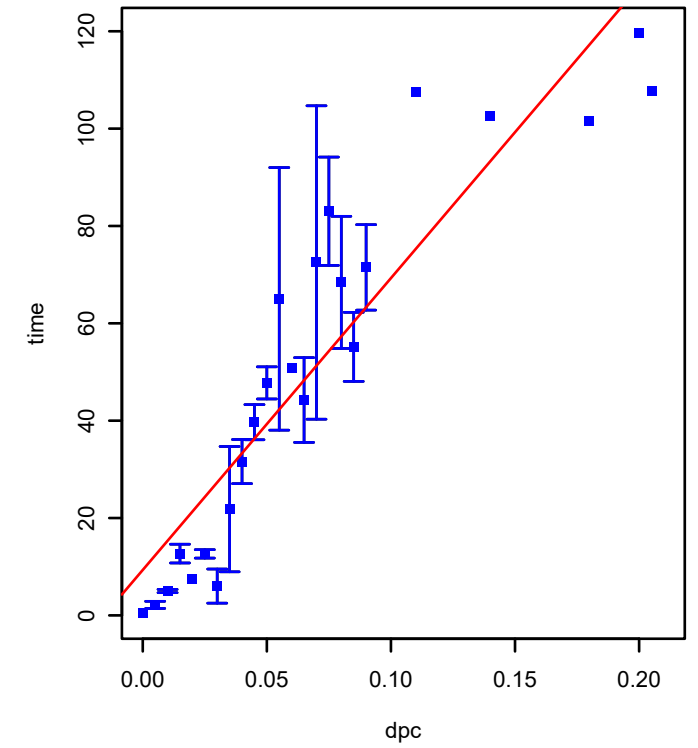
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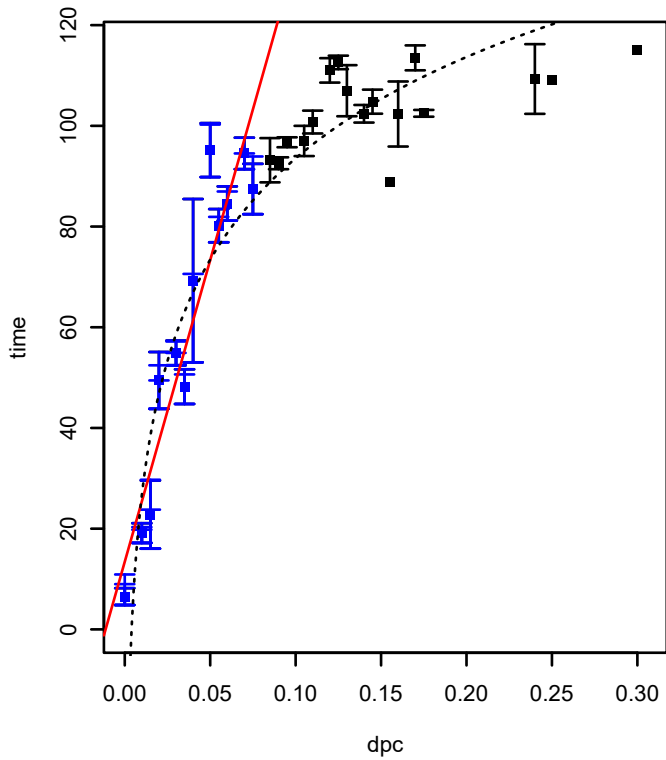
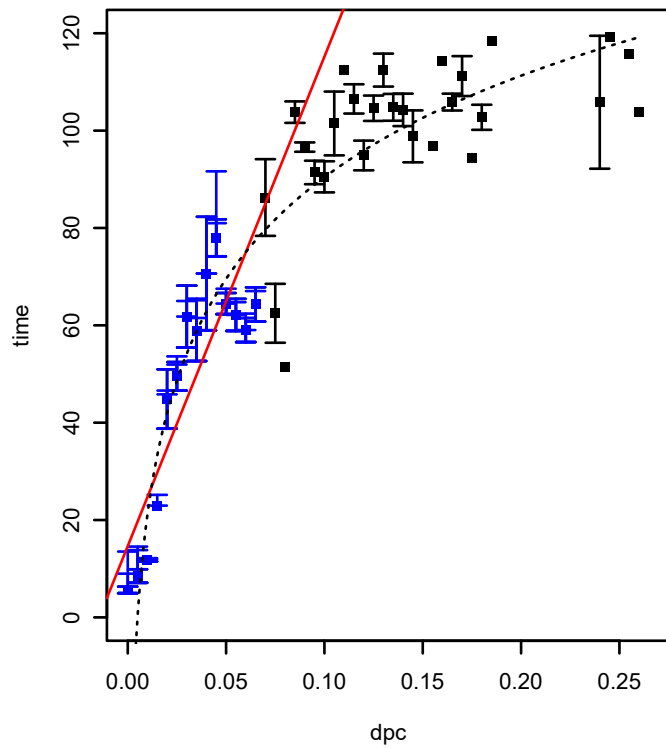
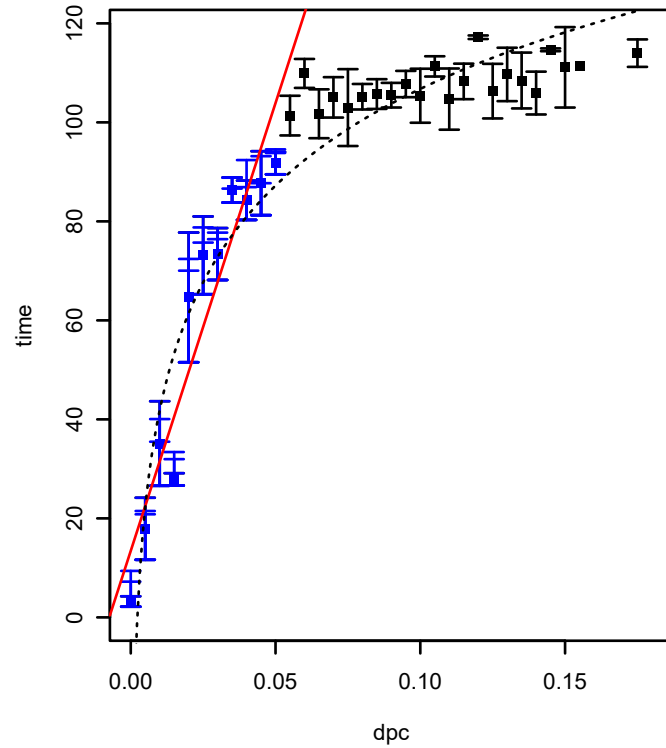
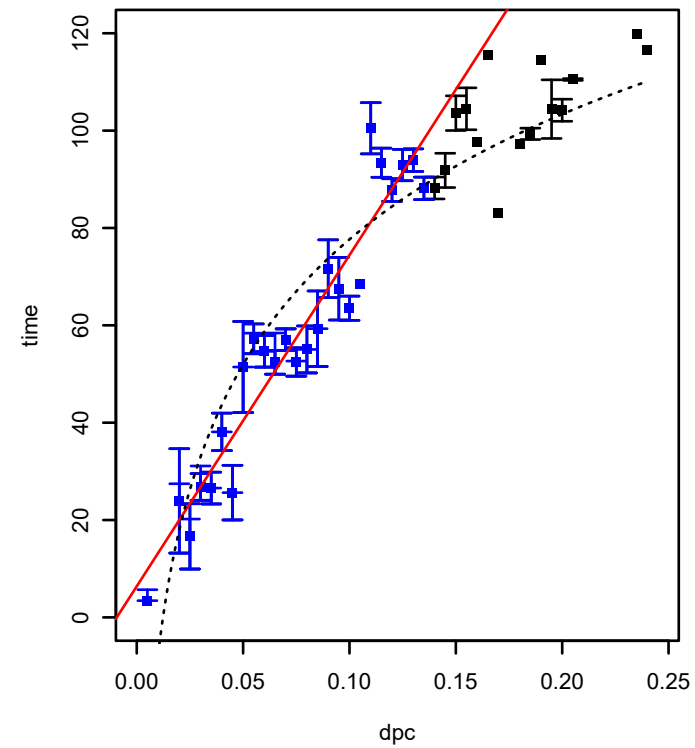
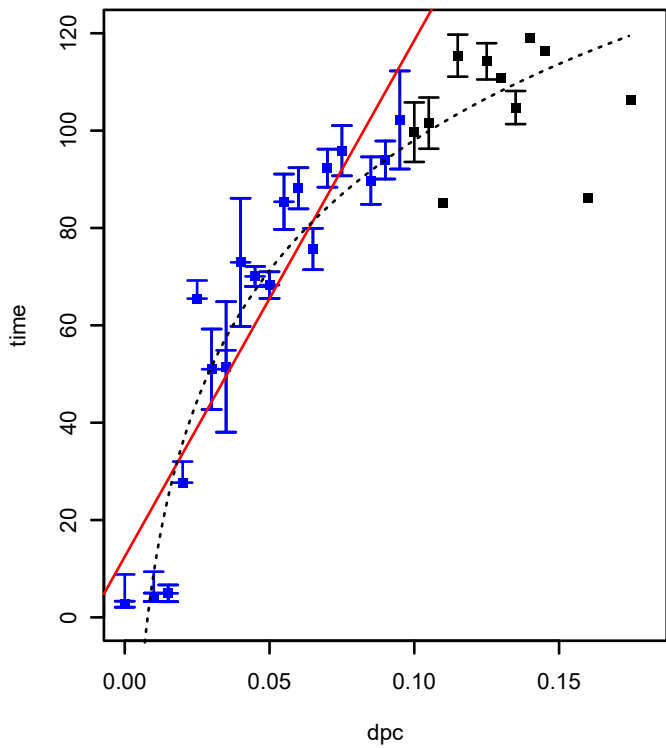
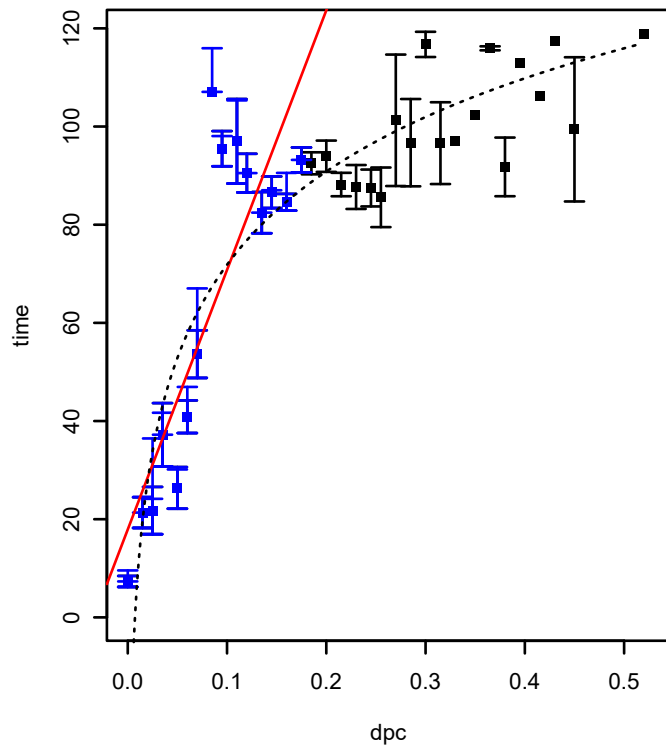
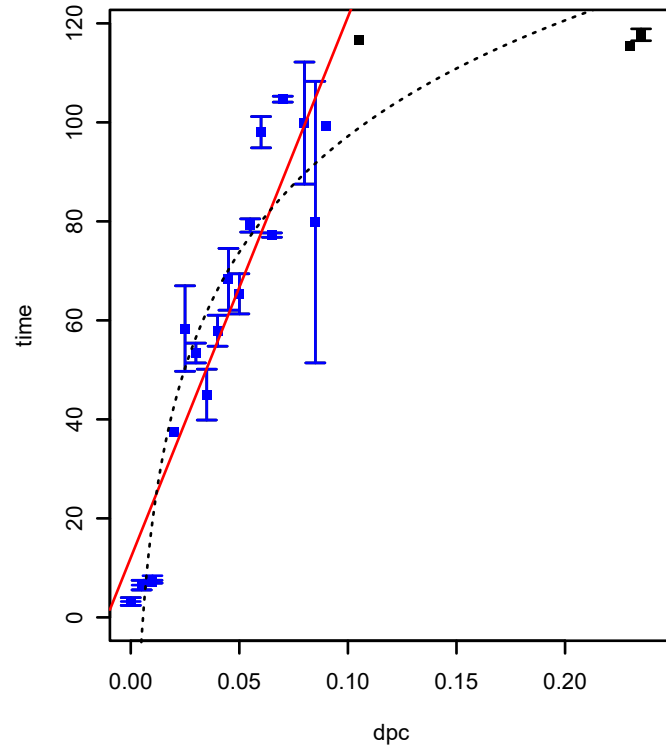
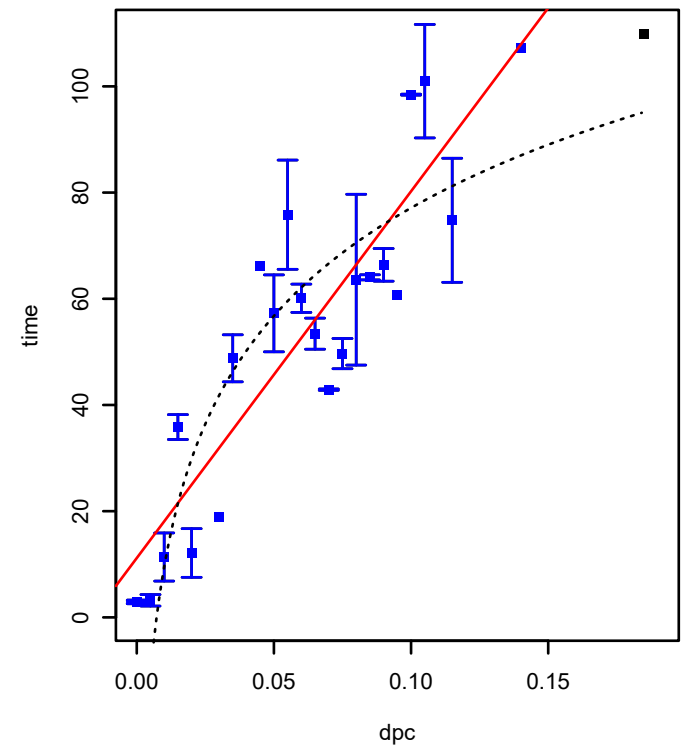
SPO3257 (COG0335)**SPO2955 (COG2239) (*HTCC2255-Basal)****SPO2329 (COG1520) (*HTCC2255-Basal)****SPO2340 (COG0605) (*HTCC2255-Basal)****SPO1423 (COG2038)****SPO1094 (COG4799)****SPO0509 (COG0099) (*HTCC2255-Basal)****SPO1300 (COG0174)**

SPO0029 (COG2265)**SPO3161 (COG0355)****SPO1200 (COG0812) (*HTCC2255-Basal)****SPO1763 (COG0781) (*HTCC2255-Basal)****SPO3489 (COG0072)****SPO0530 (COG0218) (*HTCC2255-Basal)****SPO3863 (COG1896) (*HTCC2255-Basal)****SPO3130 (COG4974) (*HTCC2255-Basal)**

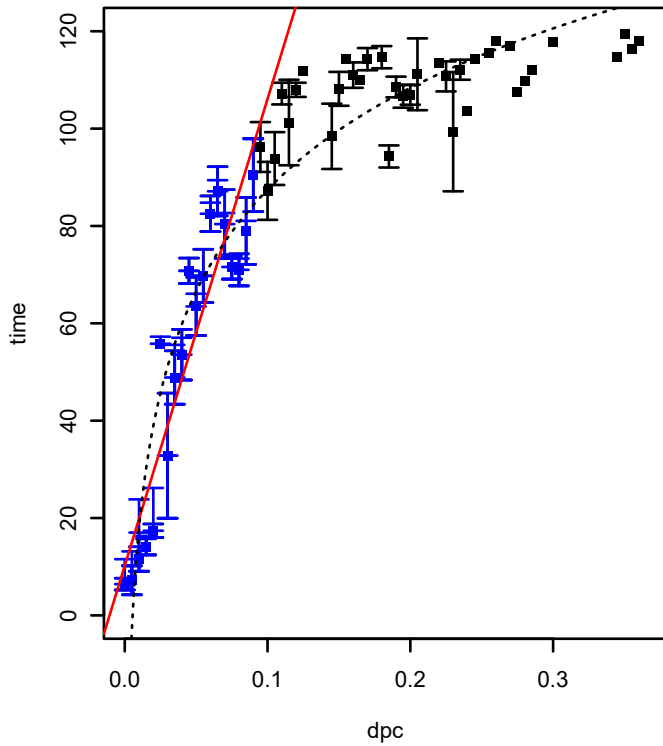
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SPO3882 (COG1220) (*HTCC2255-Basal)**SPO3569 (COG0353) (*HTCC2255-Basal)****SPO1692 (COG0103)****SPO0334 (COG0019)****SPO0007 (COG0127) (*HTCC2255-Basal)****SPO3429 (COG0325) (*HTCC2255-Basal)****SPO3855 (COG0240) (*HTCC2255-Basal)****SPO3234 (COG0711)**

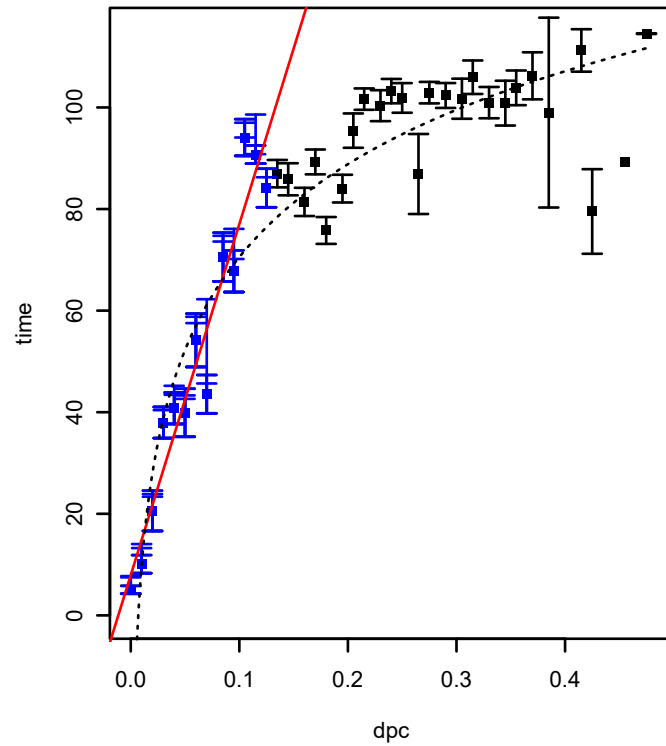
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SPO0312 (COG0782) (*HTCC2255-Basal)**SPO2953 (COG1692) (*HTCC2255-Basal)****SPO0008 (COG0689) (*HTCC2255-Basal)****SPO1358 (COG0751)****SPO1759 (COG0307) (*HTCC2255-Basal)****SPO_RS11770 (COG1862)****SPO0144 (COG0661) (*HTCC2255-Basal)****SPO0039 (COG1218) (*HTCC2255-Basal)**

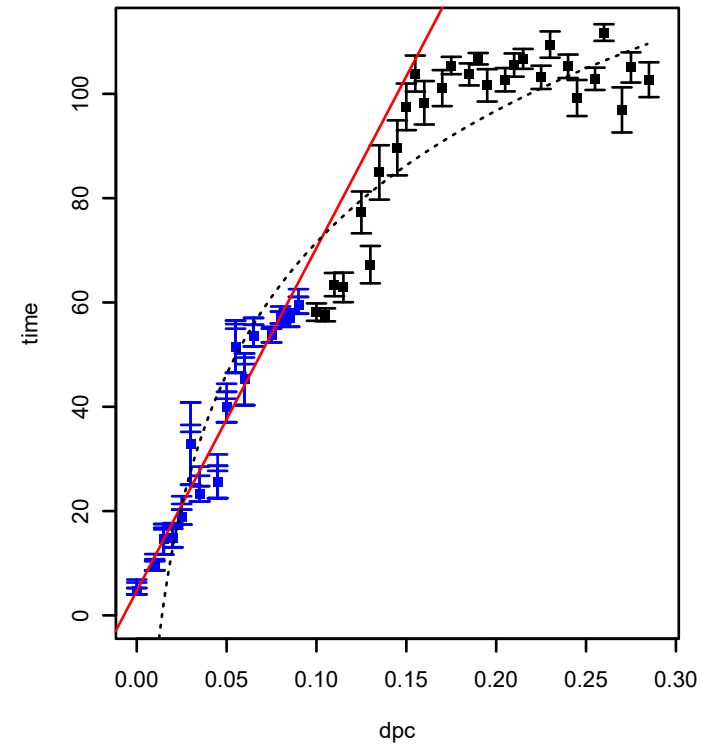
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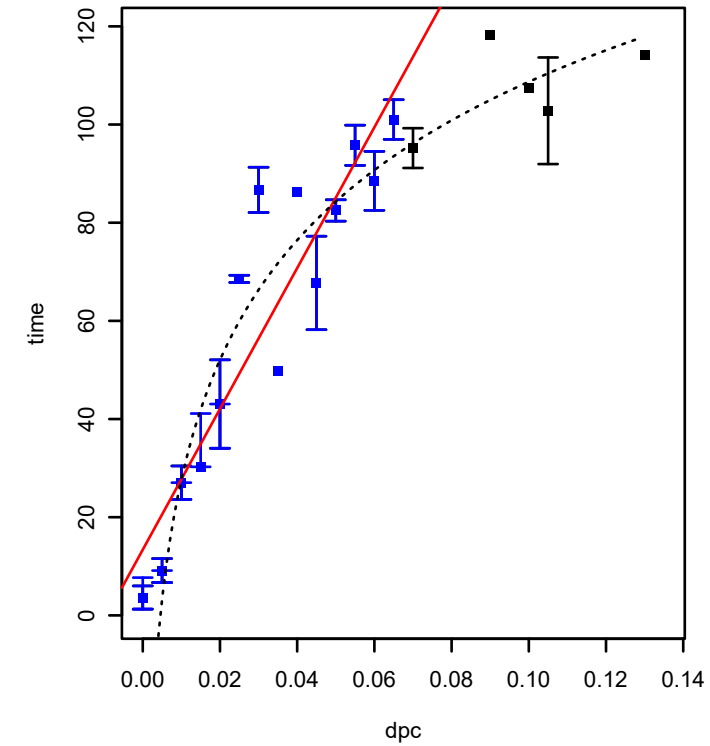
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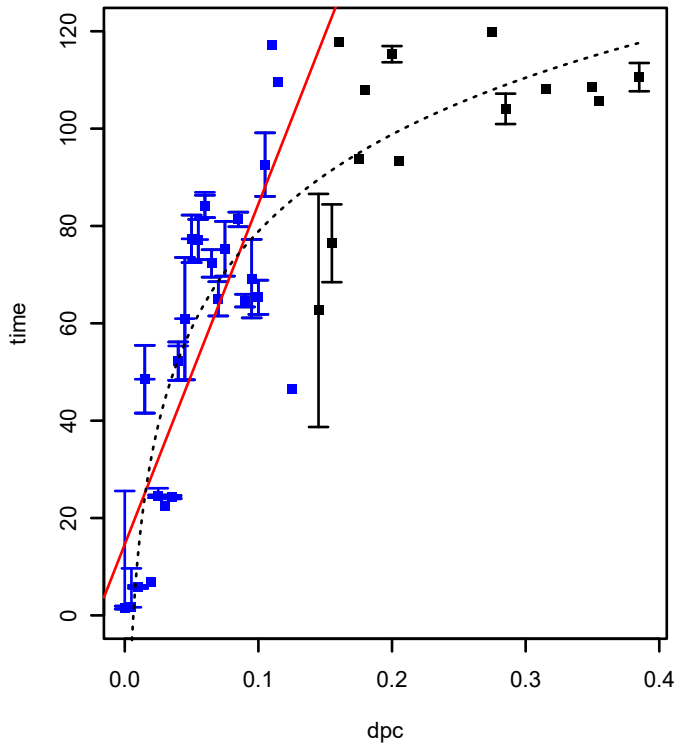
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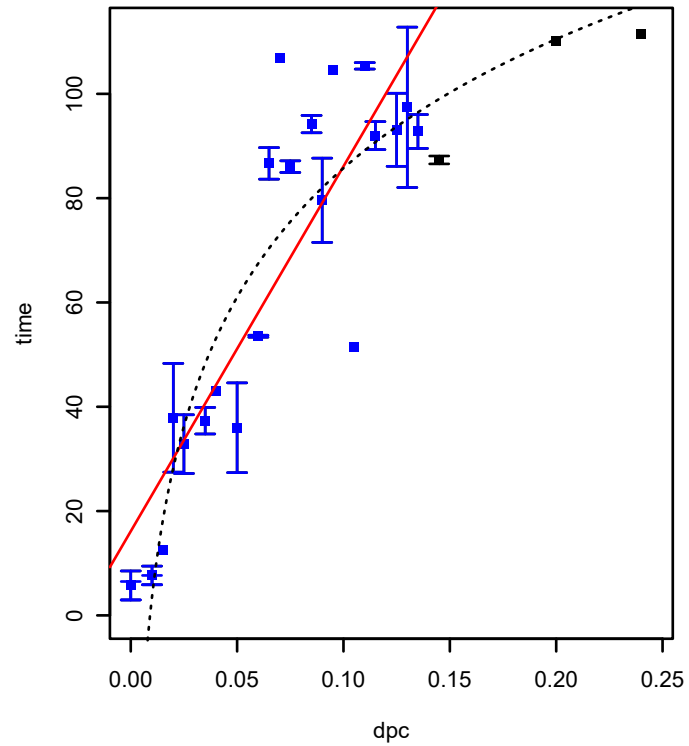
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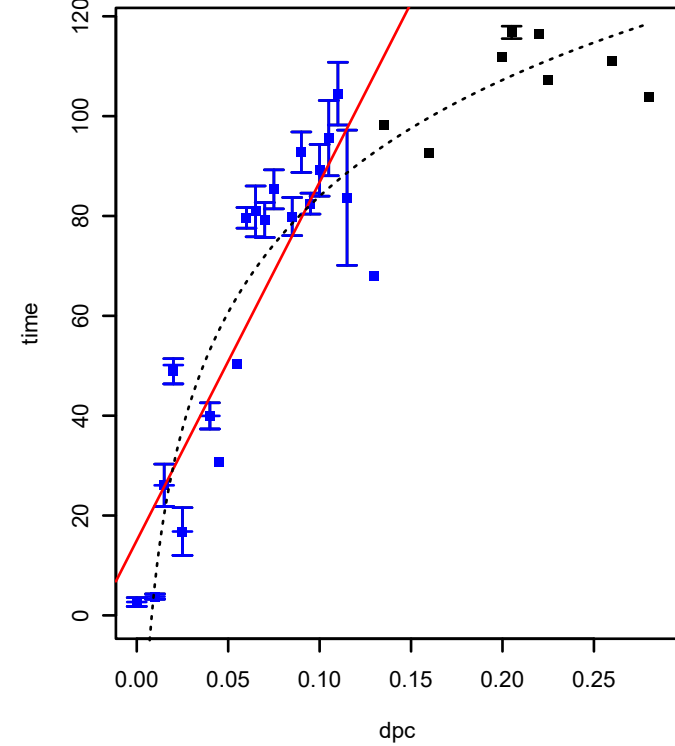
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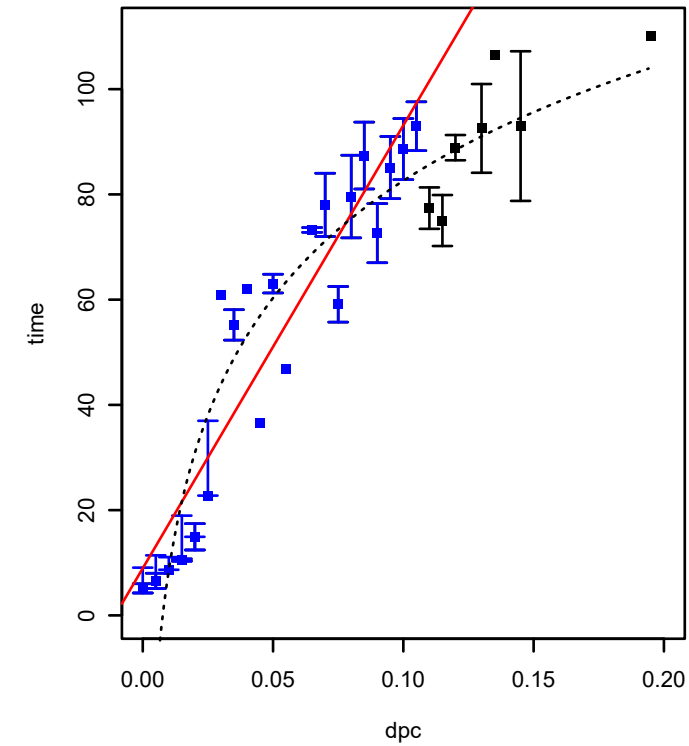
SPO3884 (COG2840) (*HTCC2255-Basal)

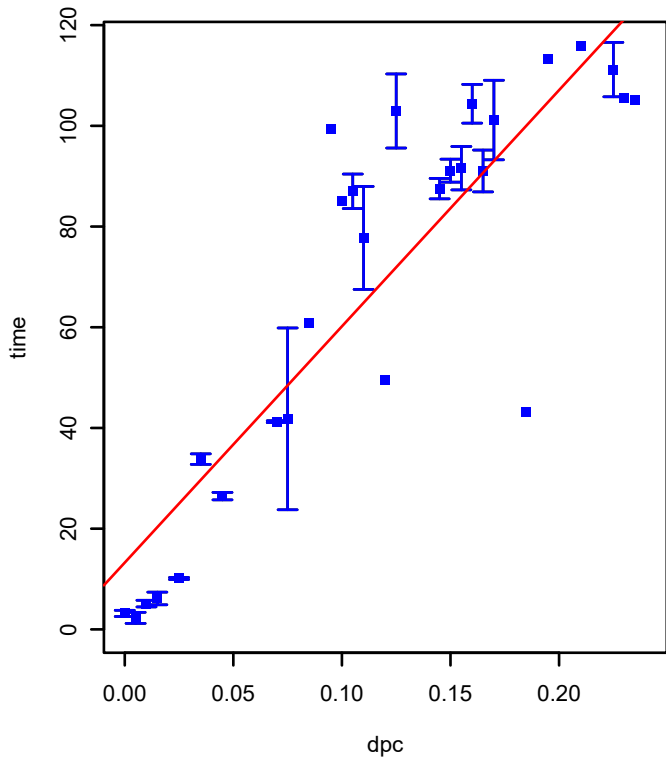
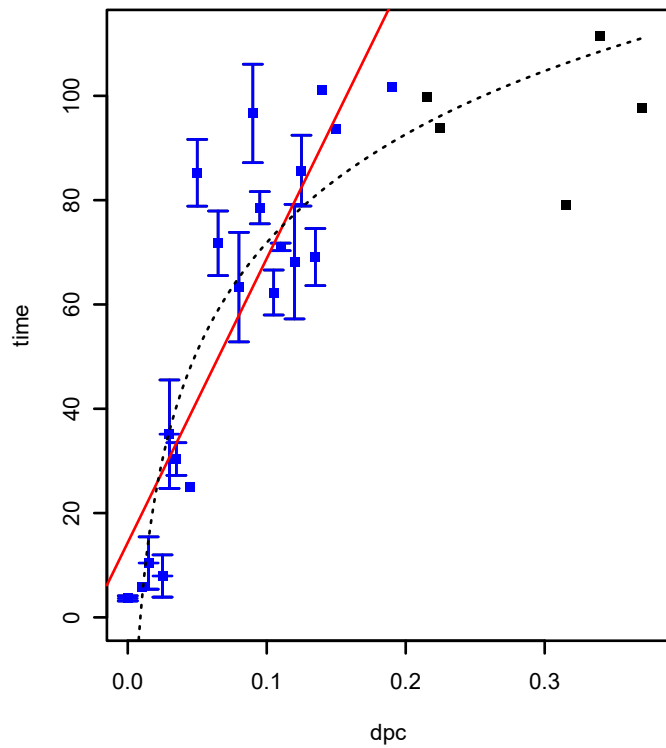
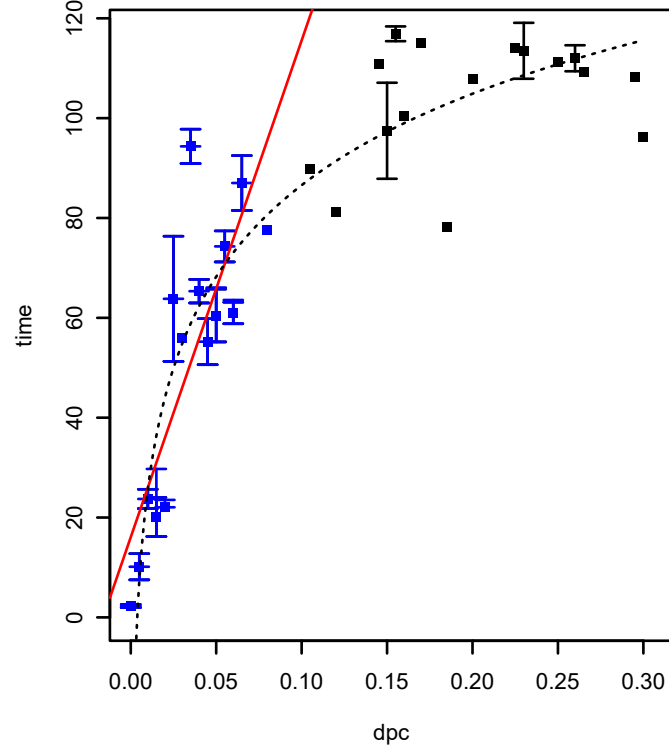
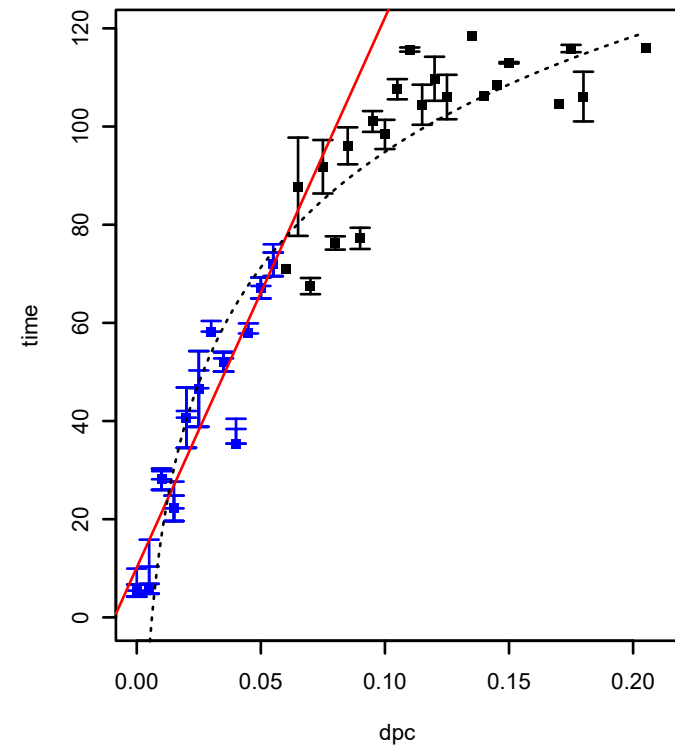
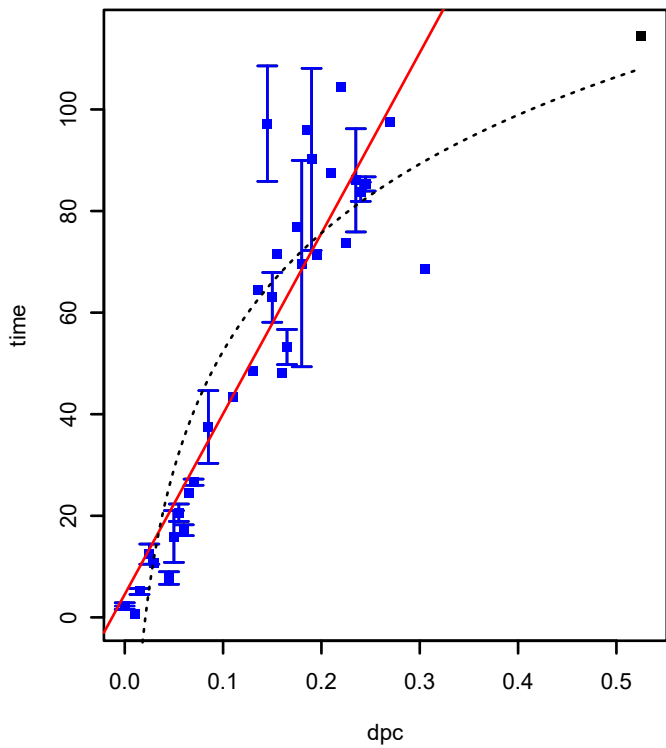
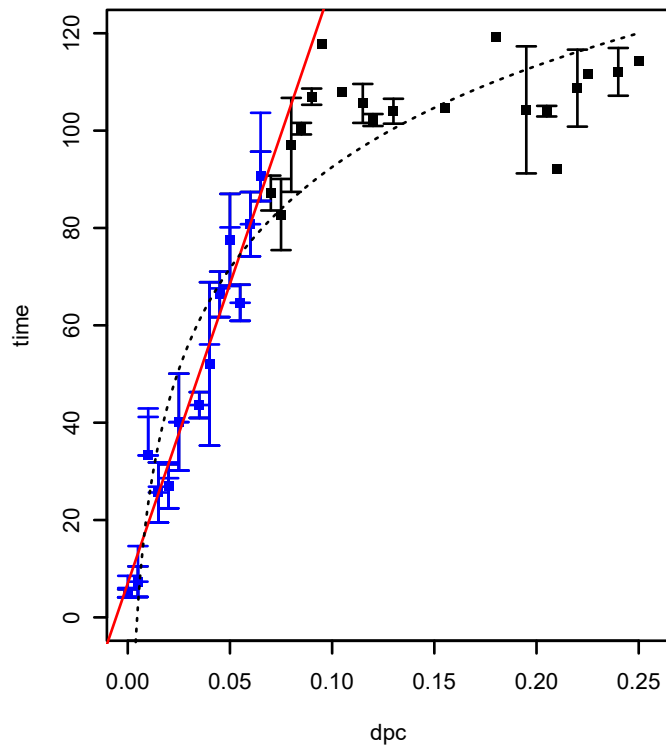
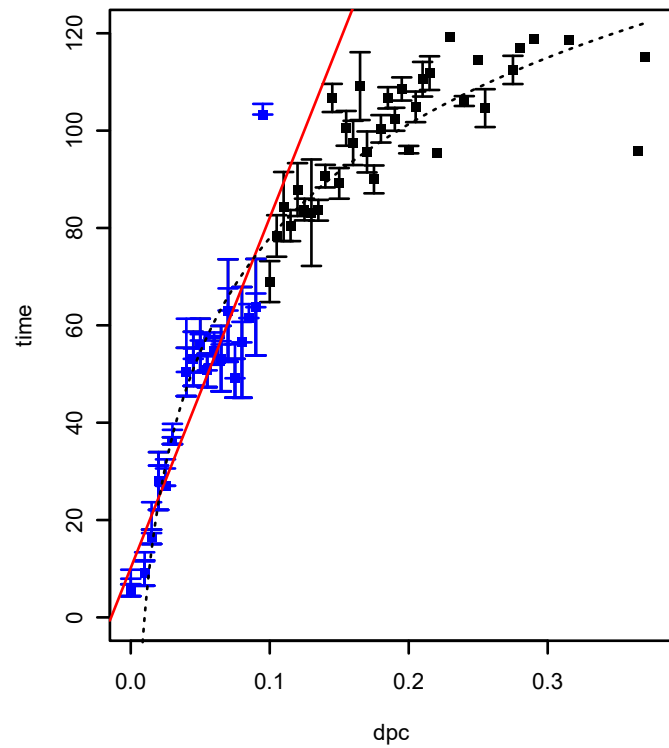
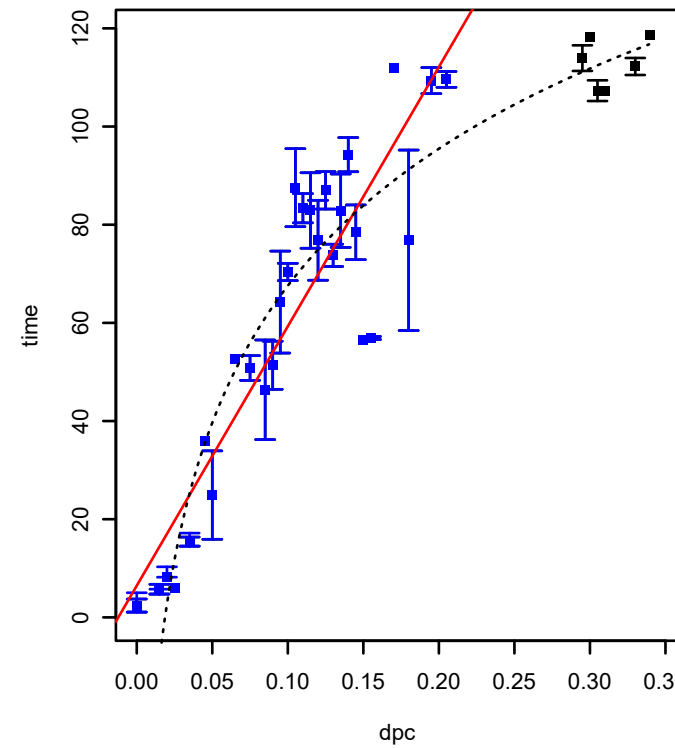


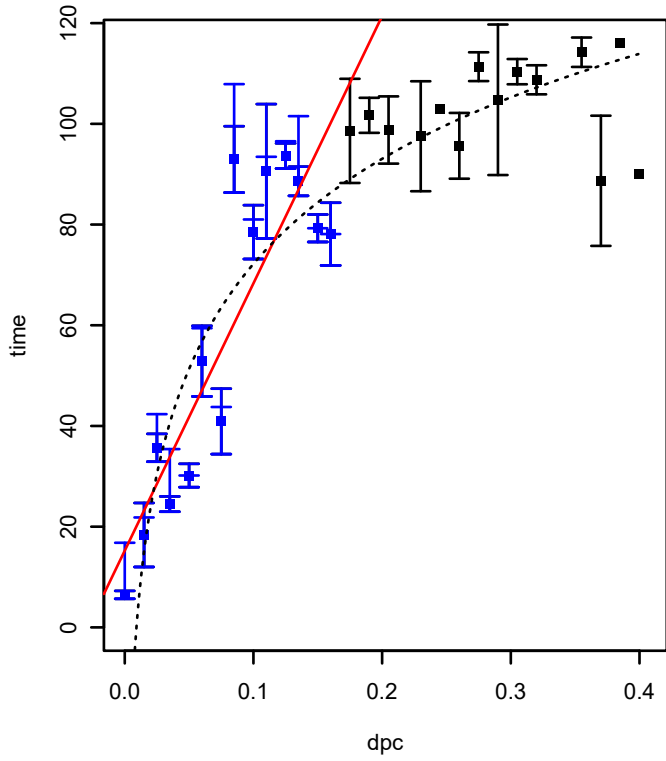
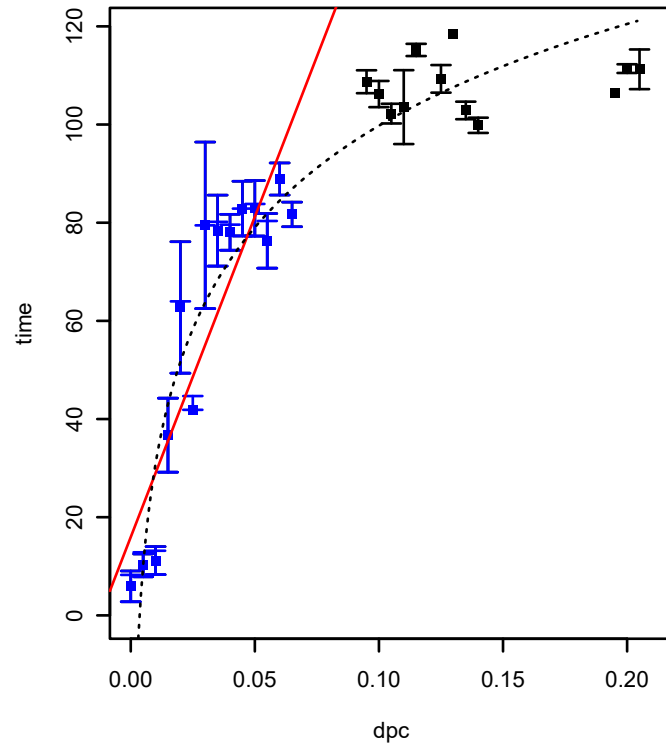
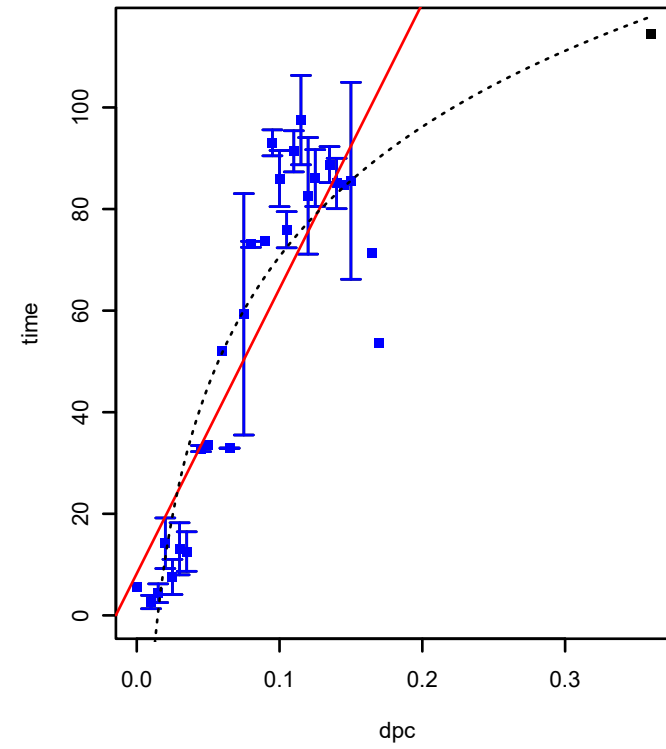
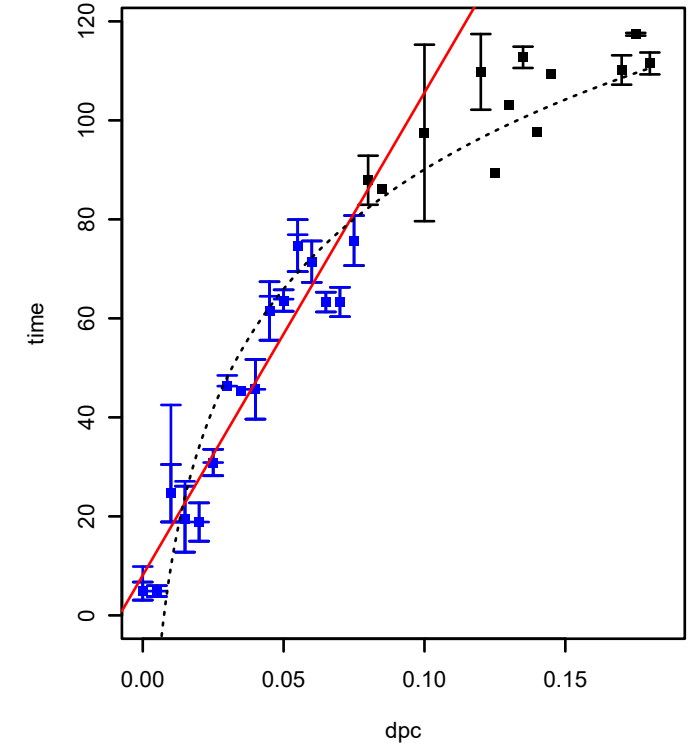
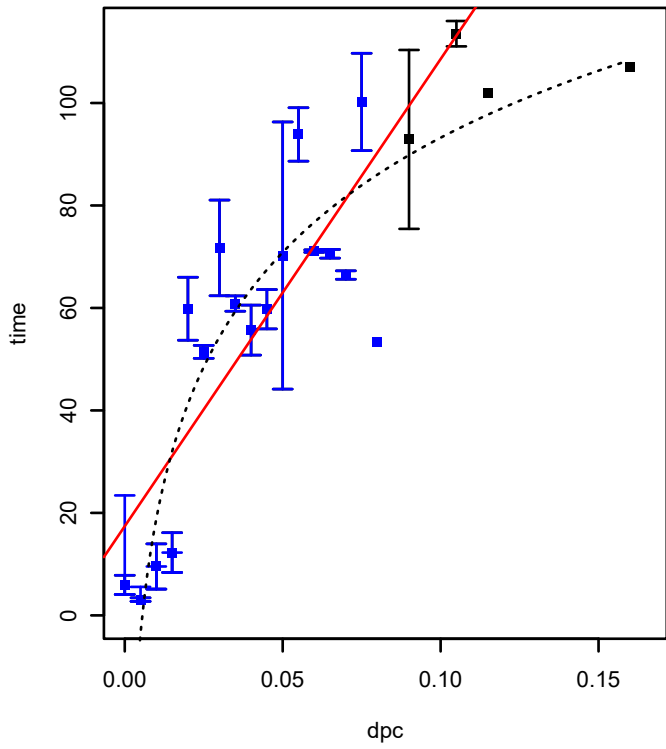
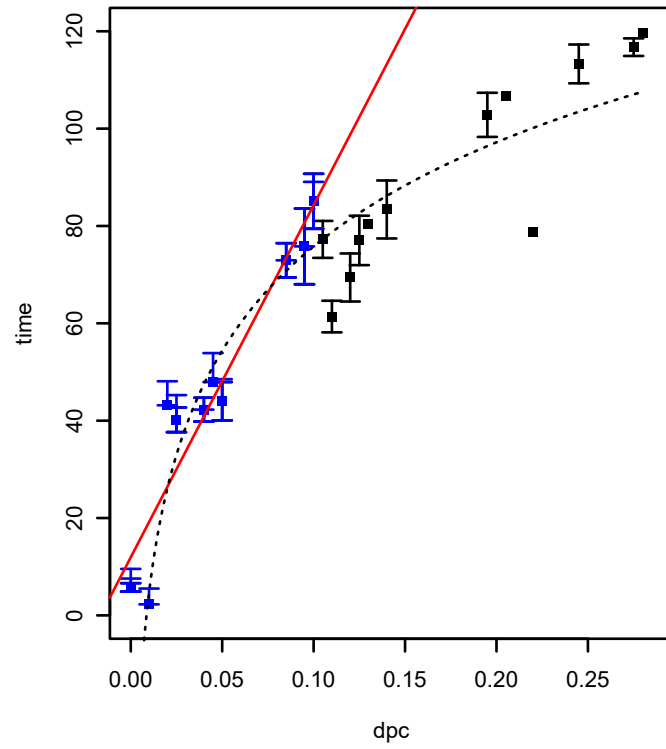
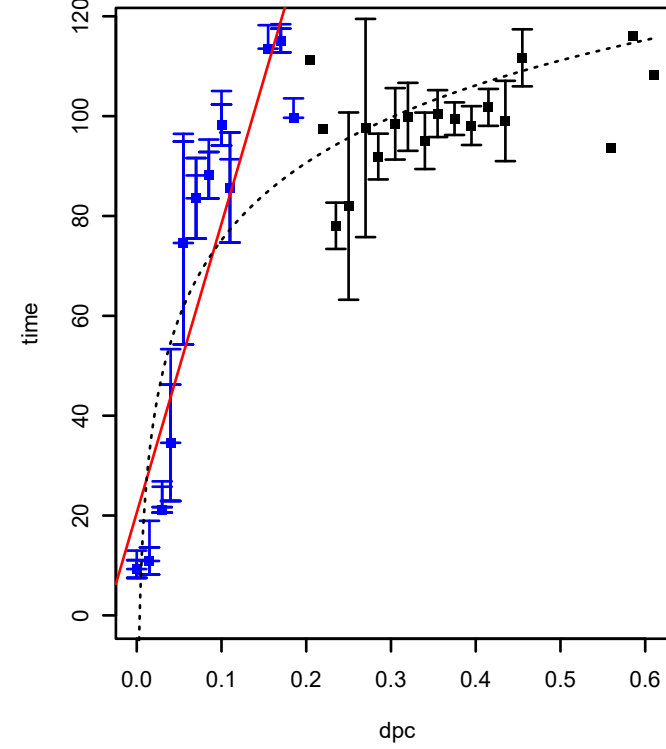
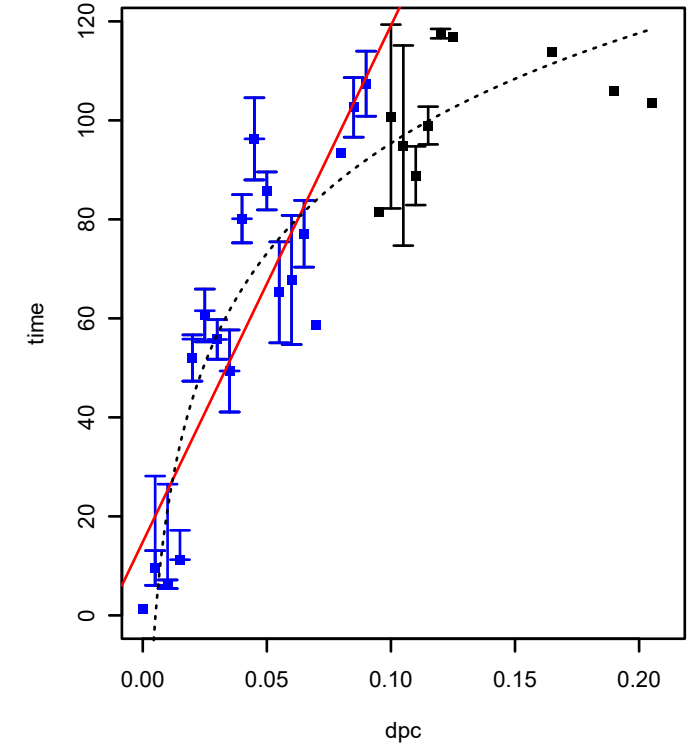
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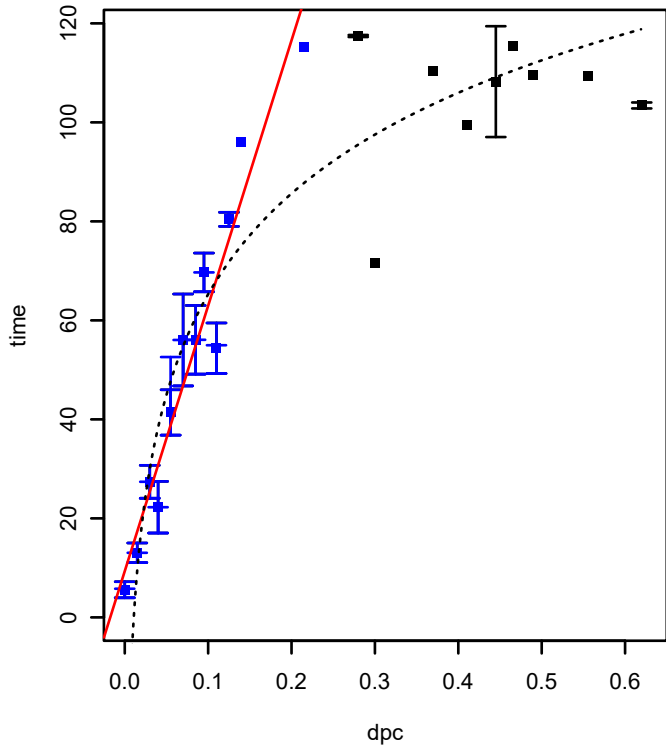
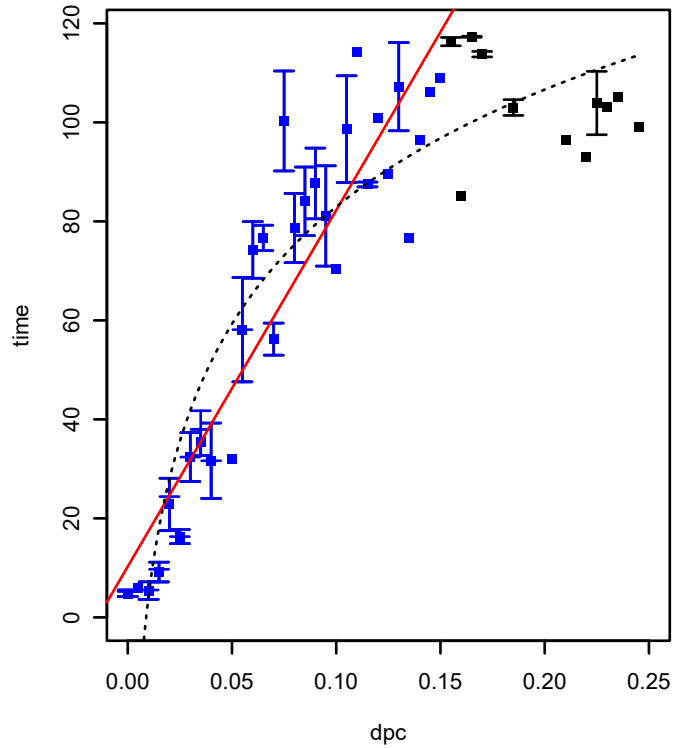
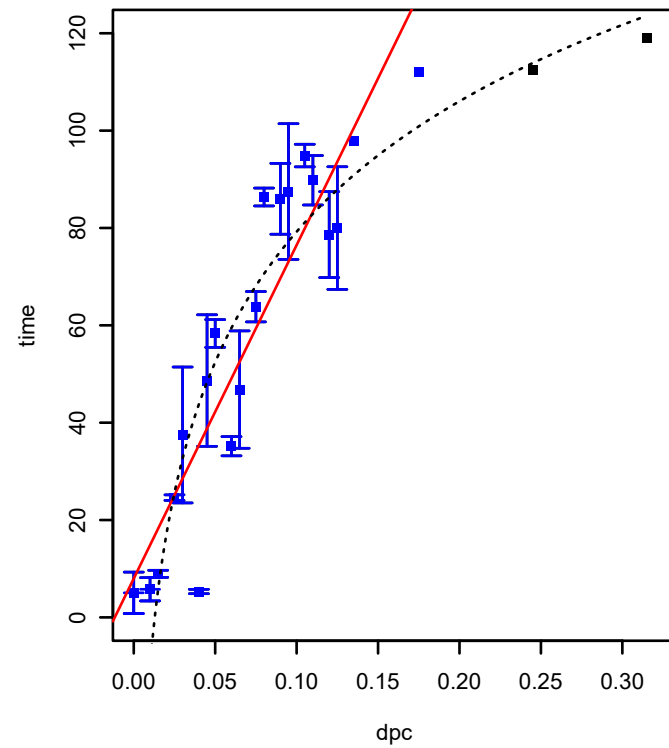
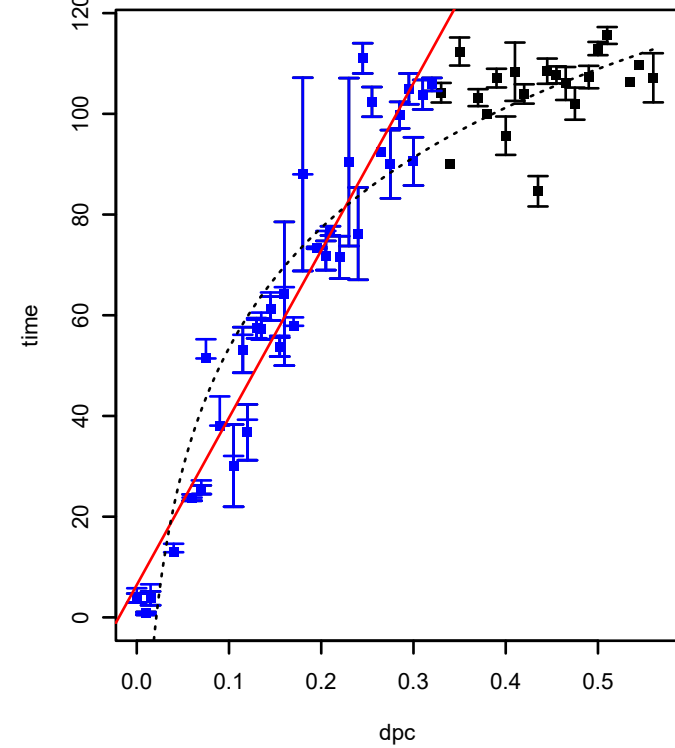
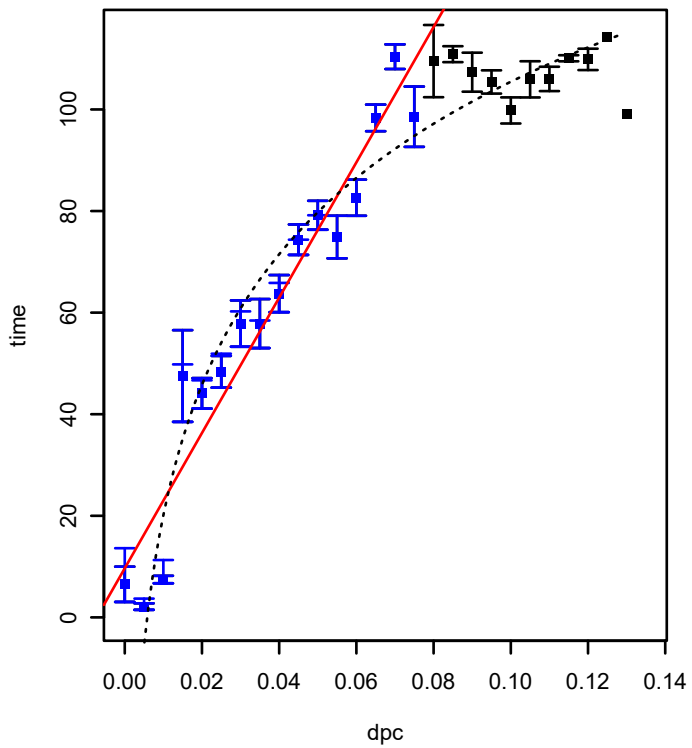
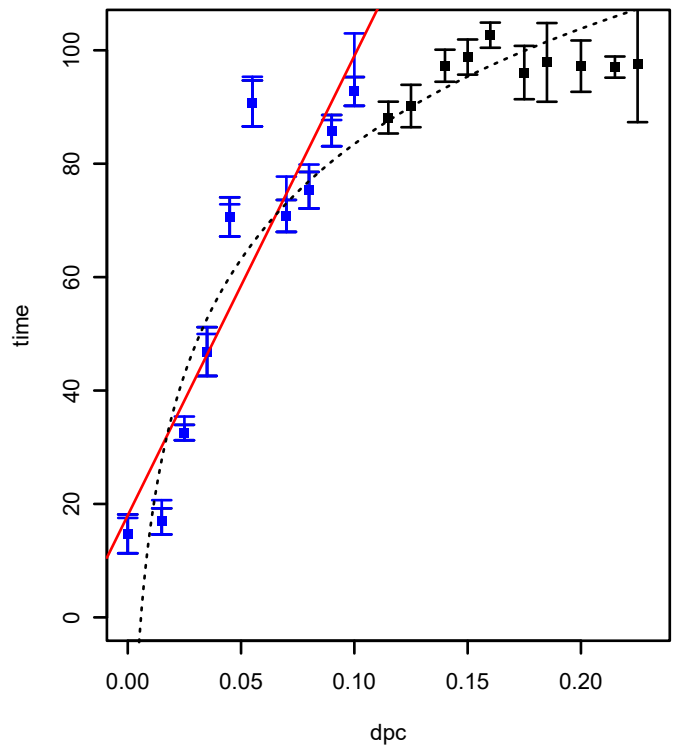
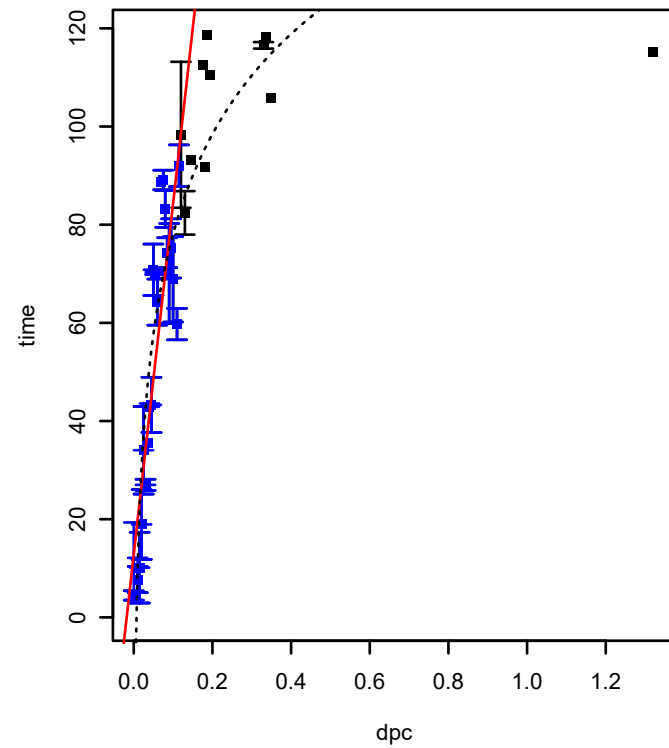
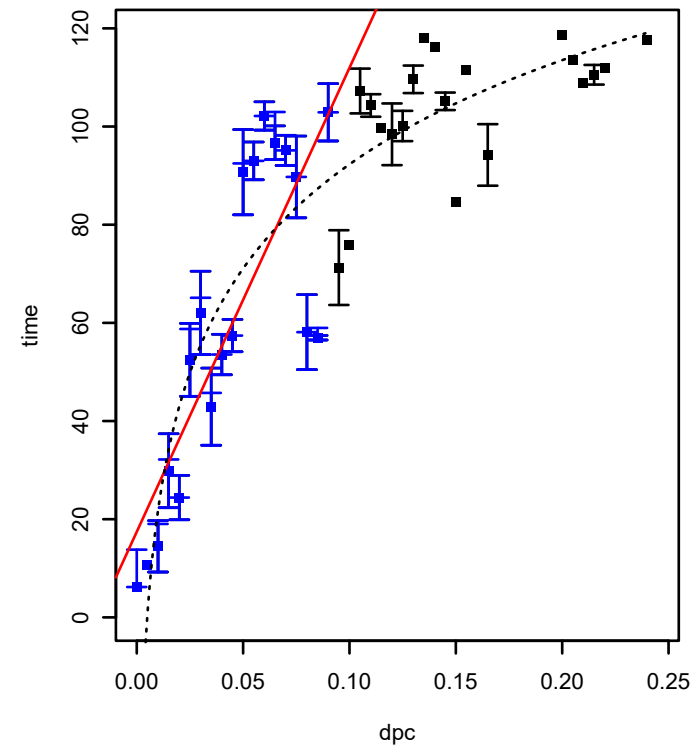


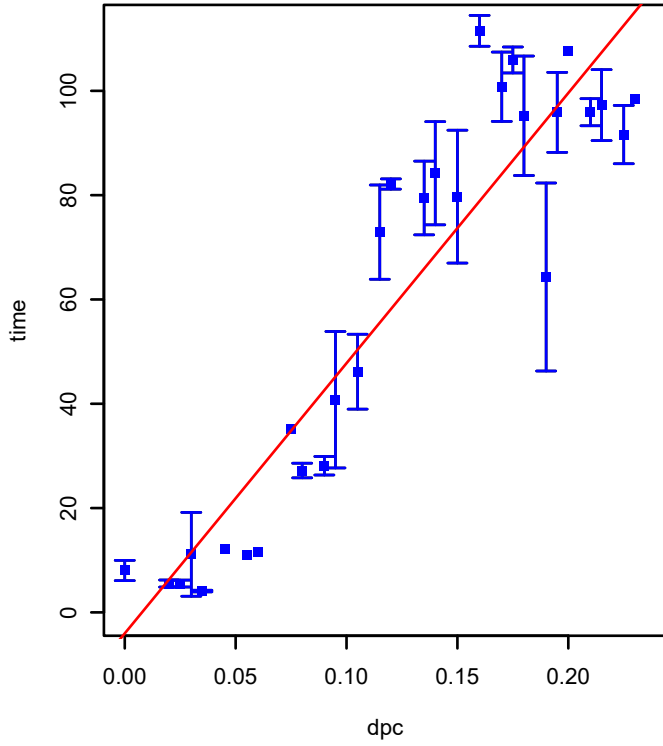
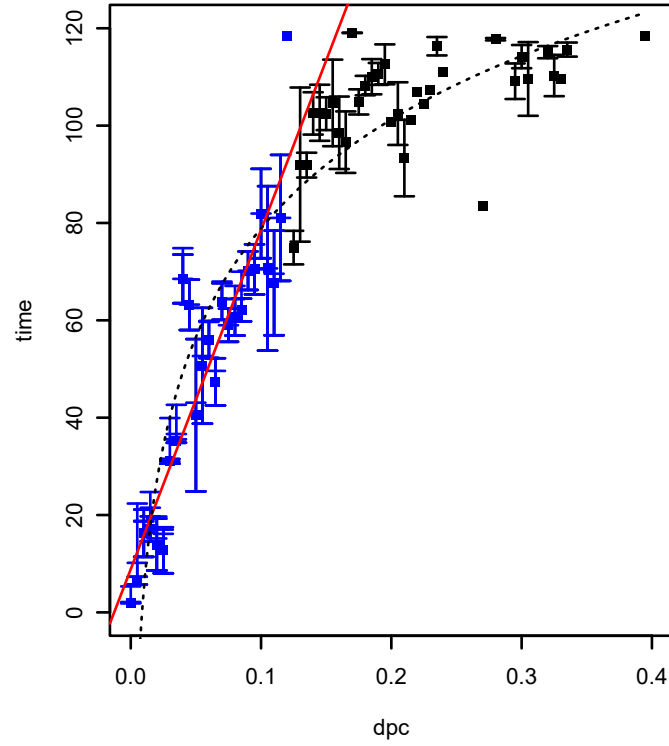
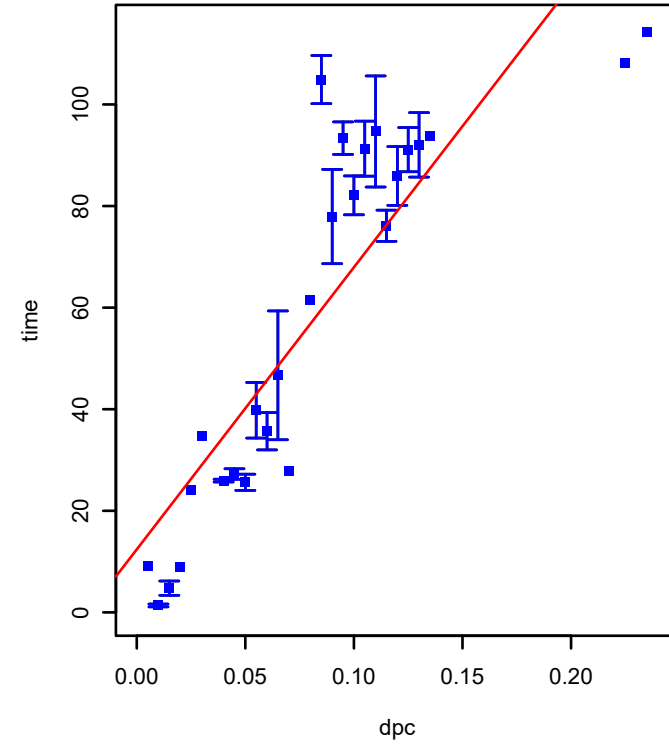
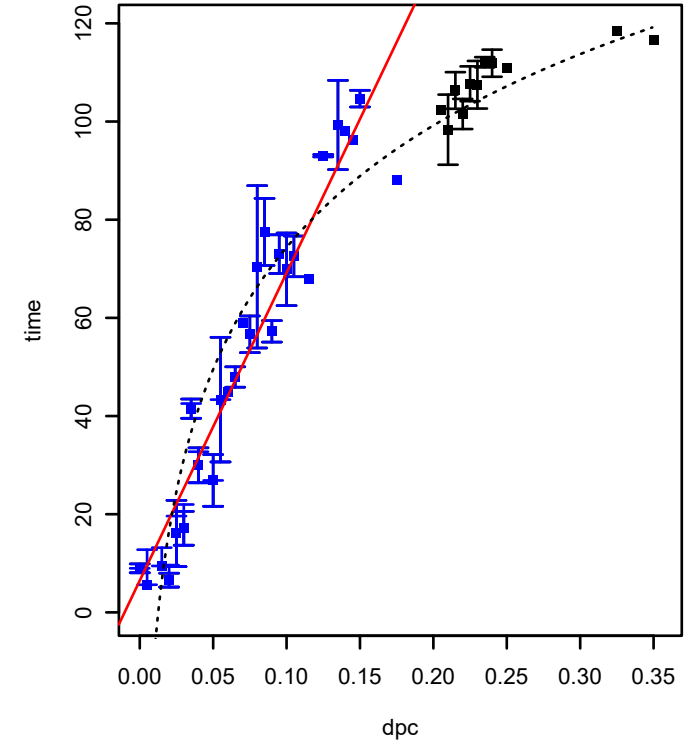
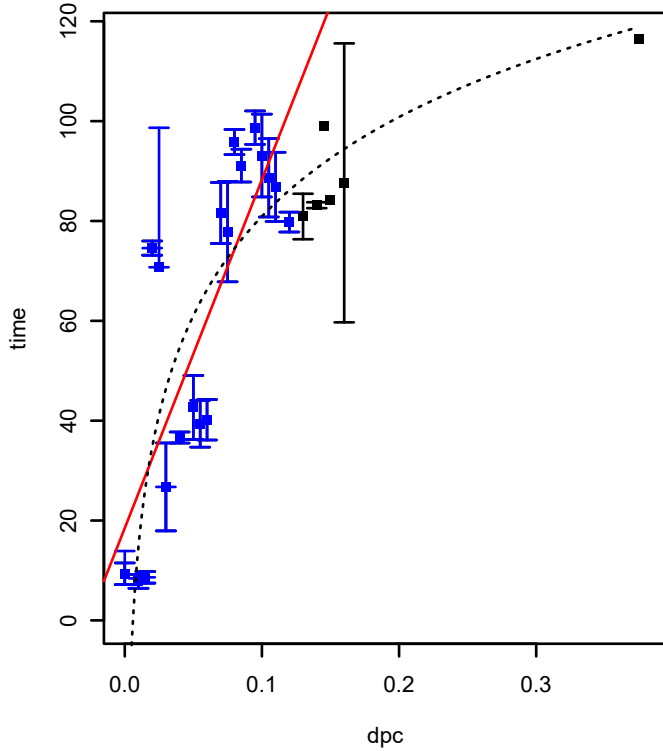
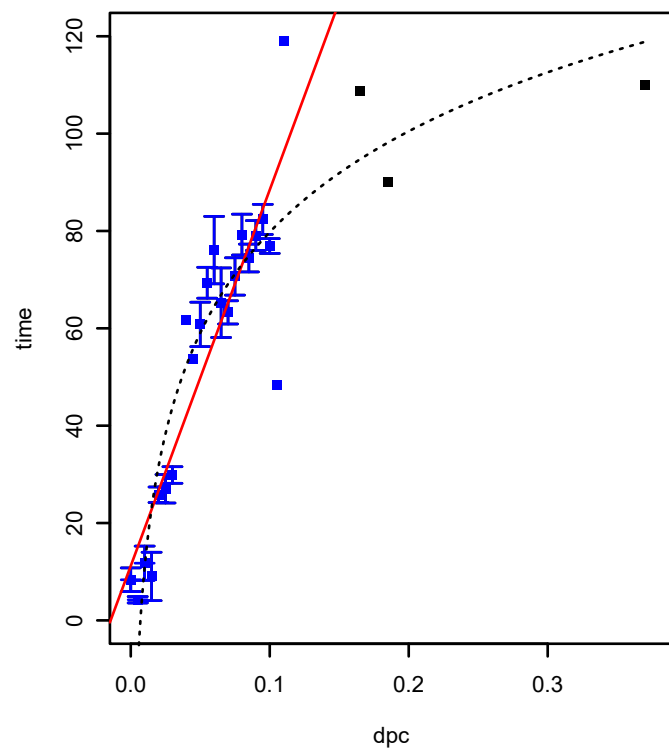
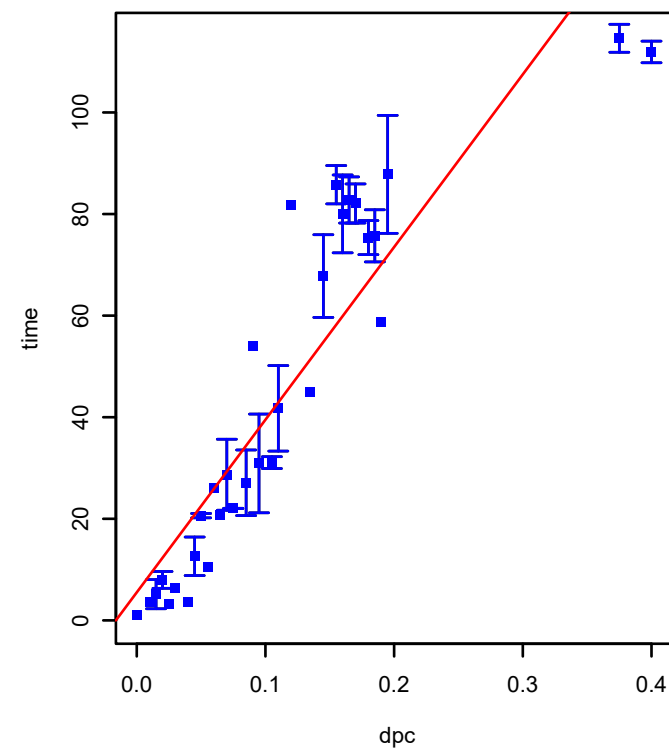
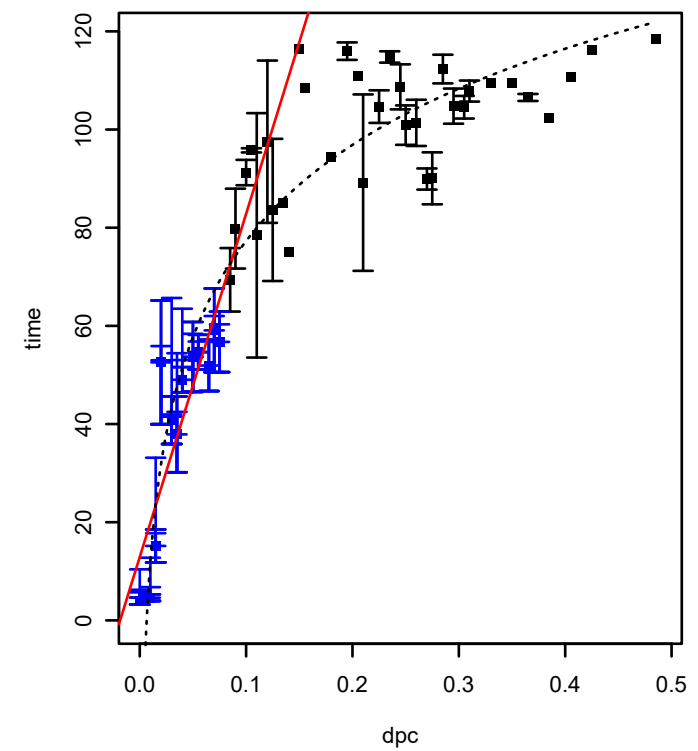
SPO2796 (COG0546)

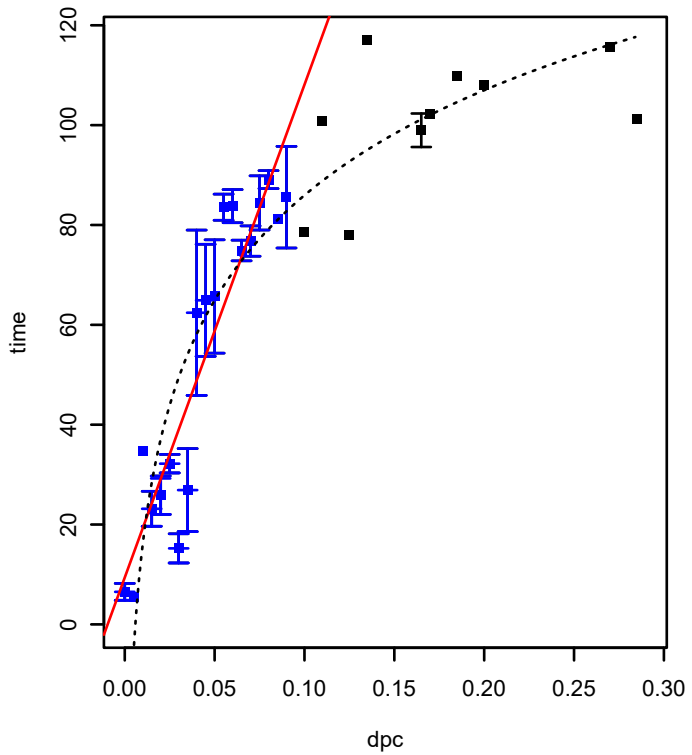
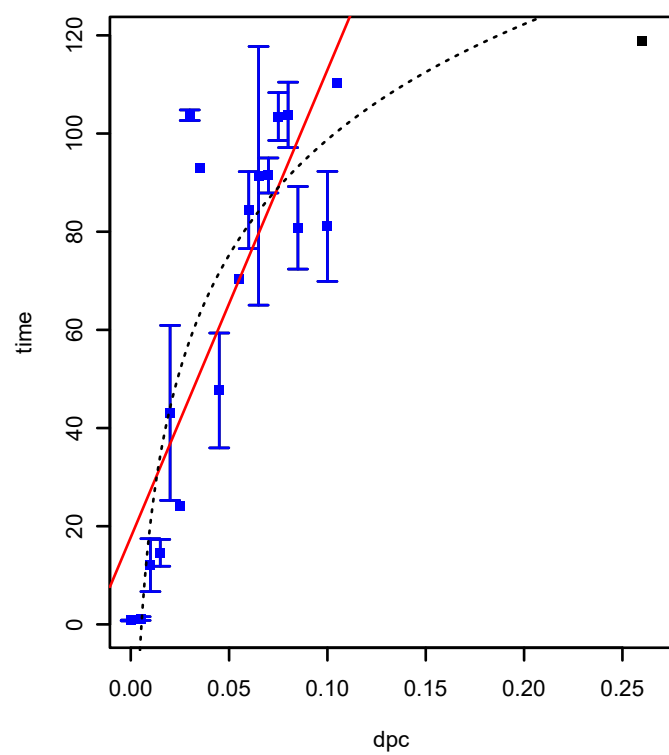
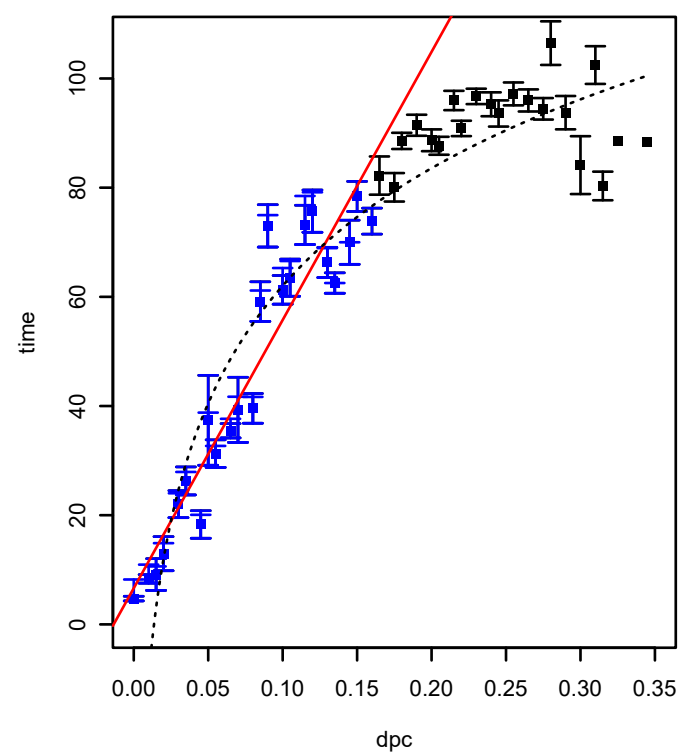
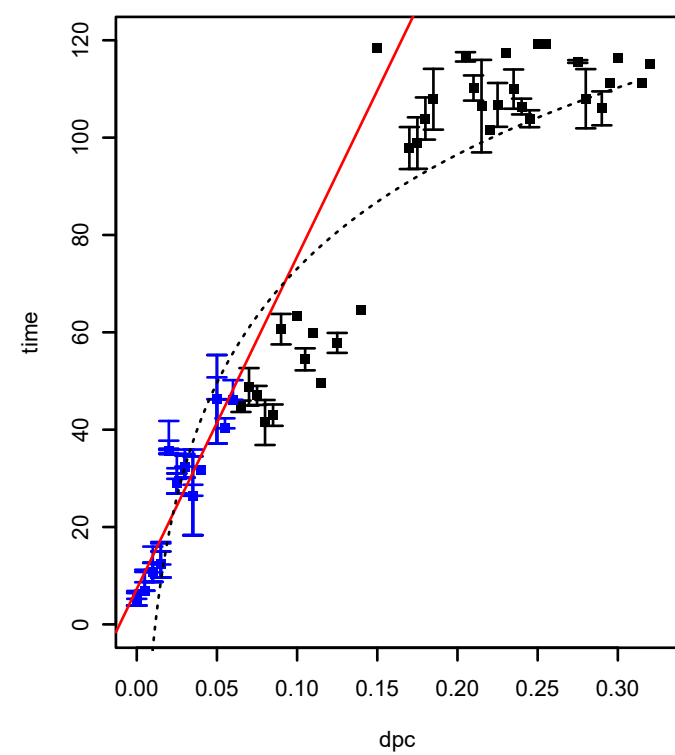
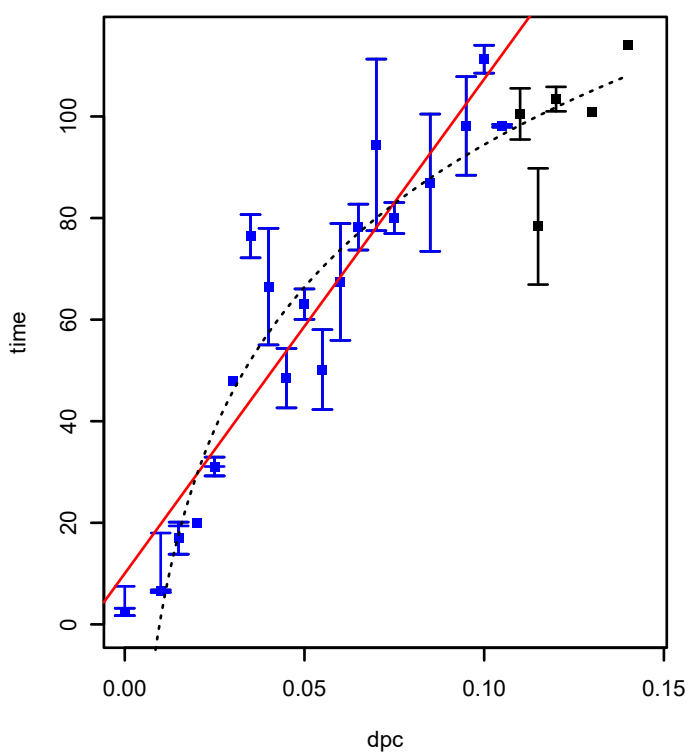
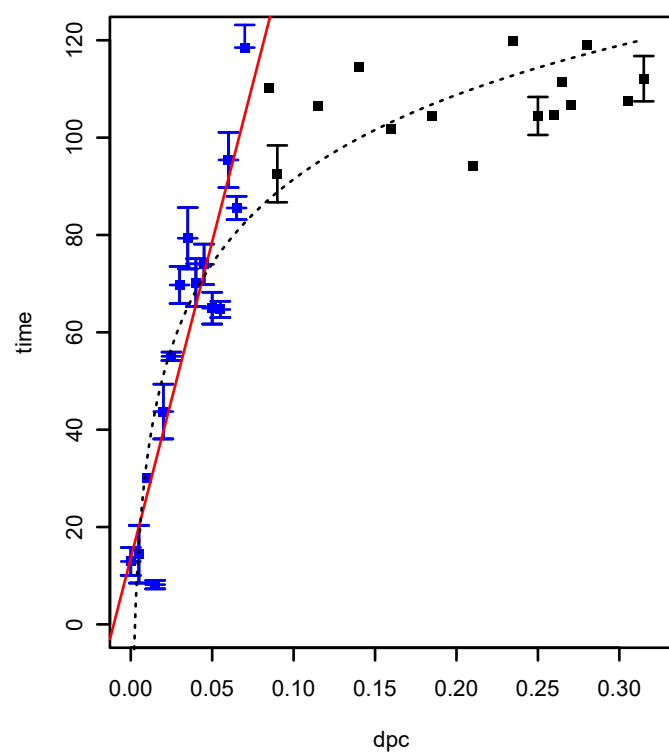
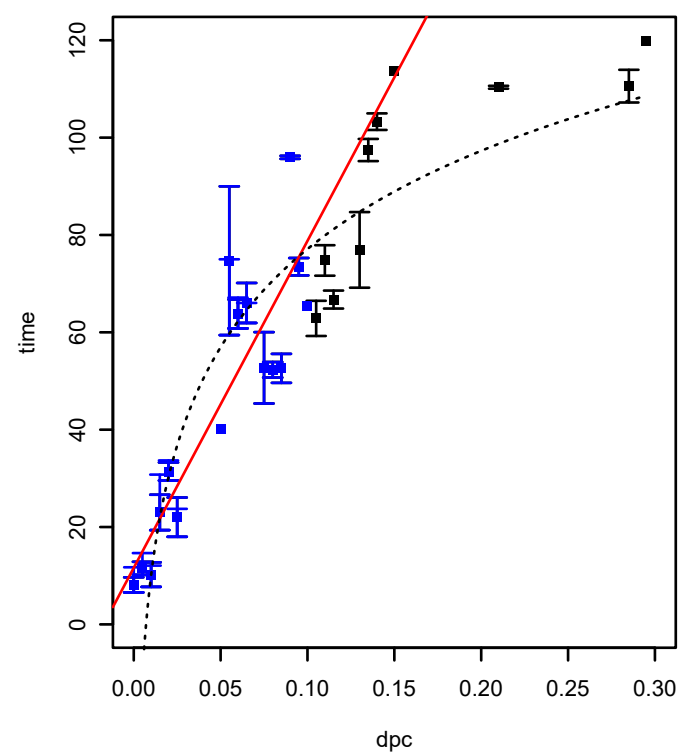
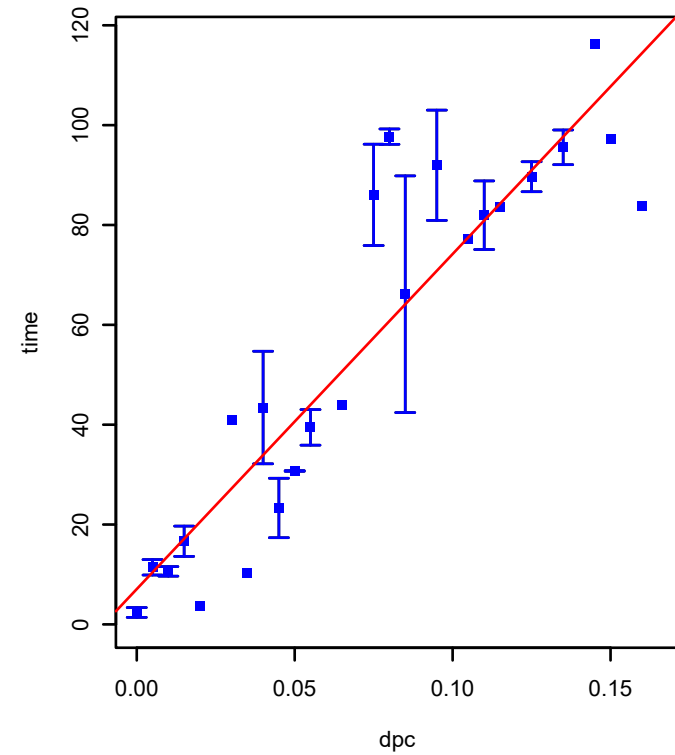


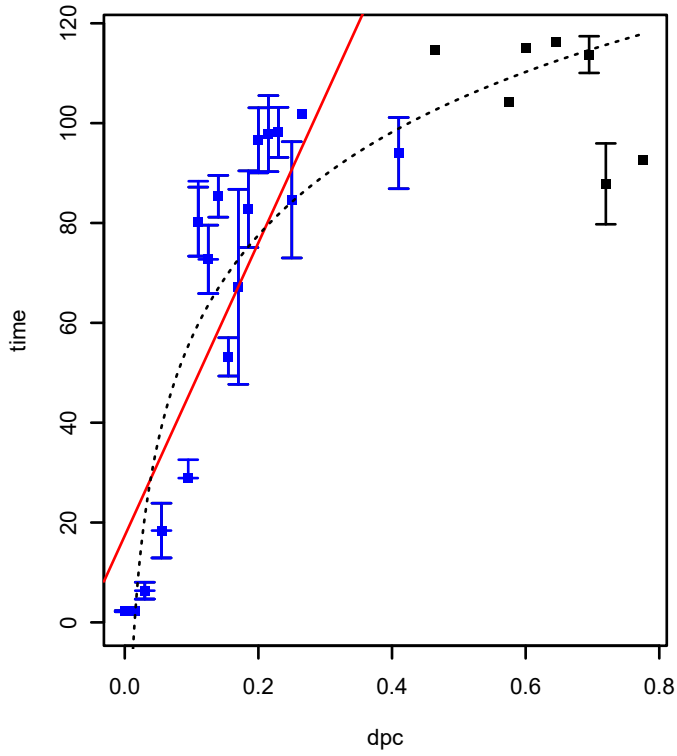
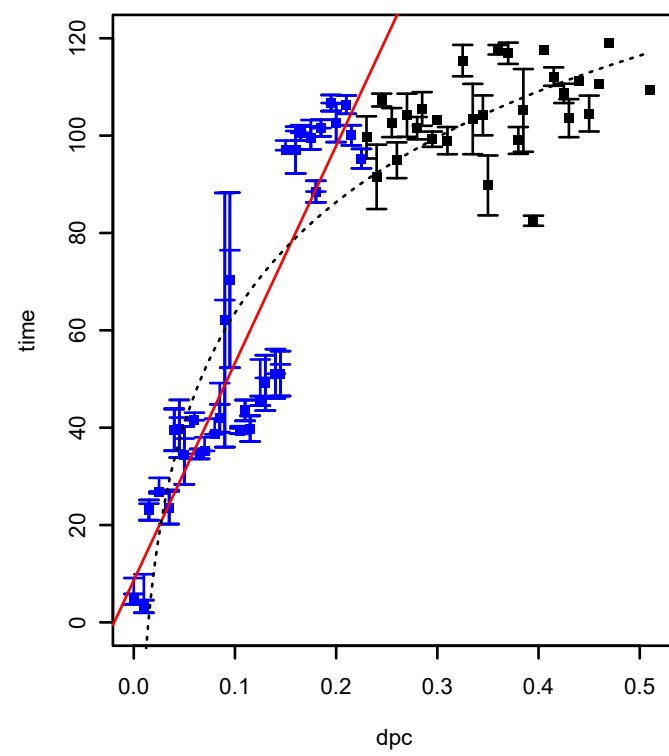
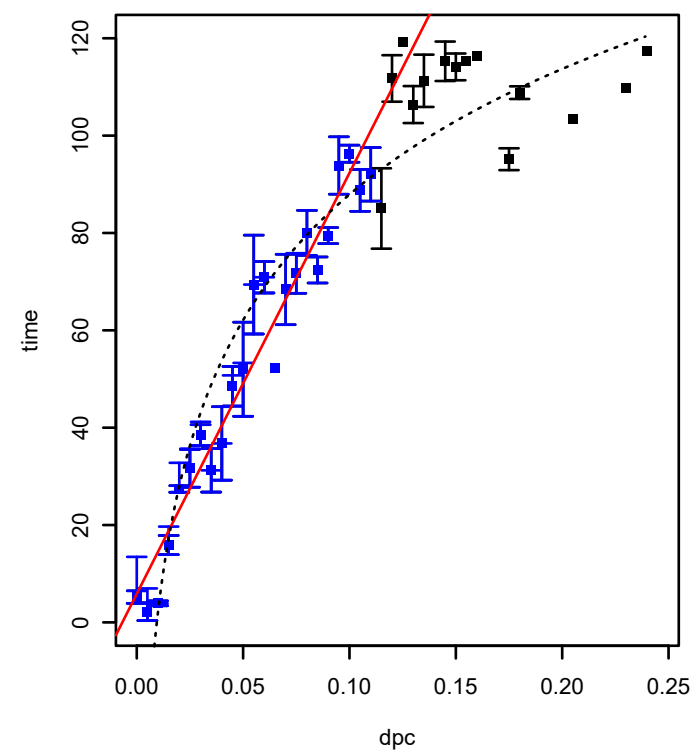
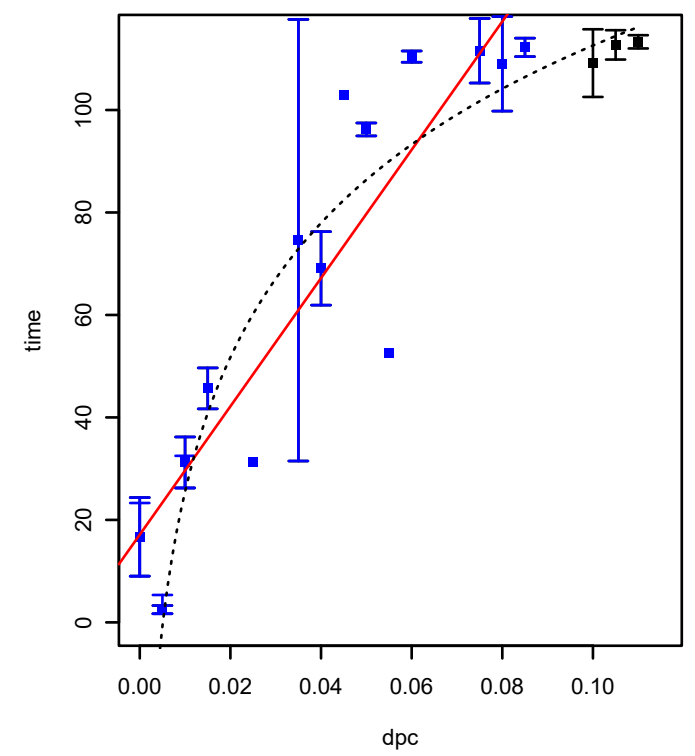
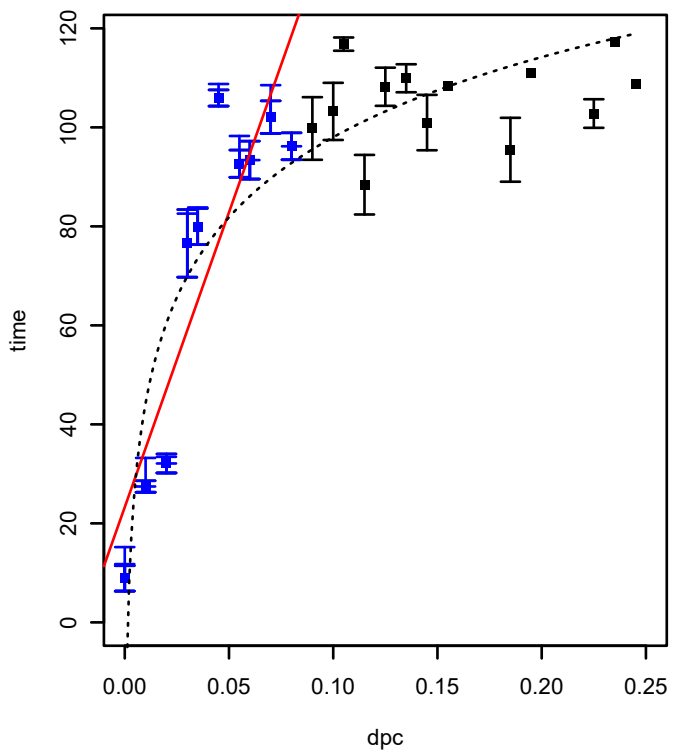
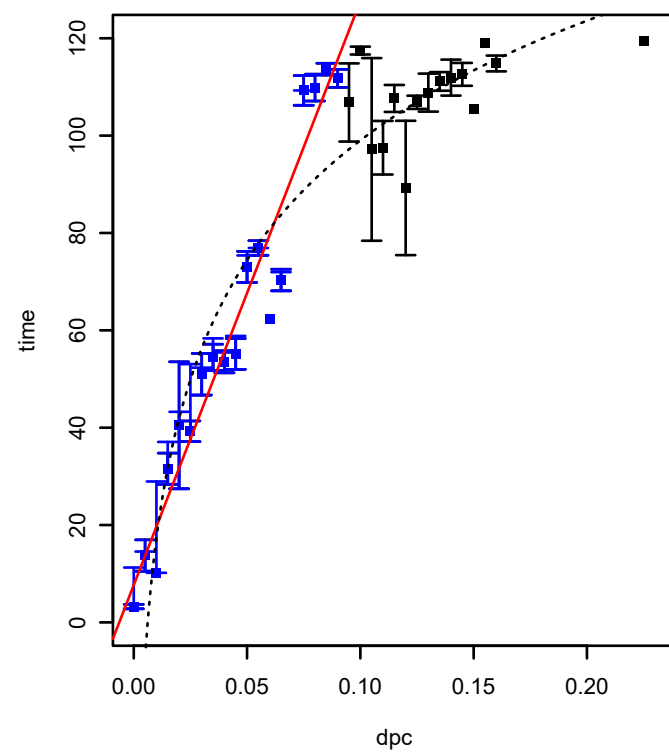
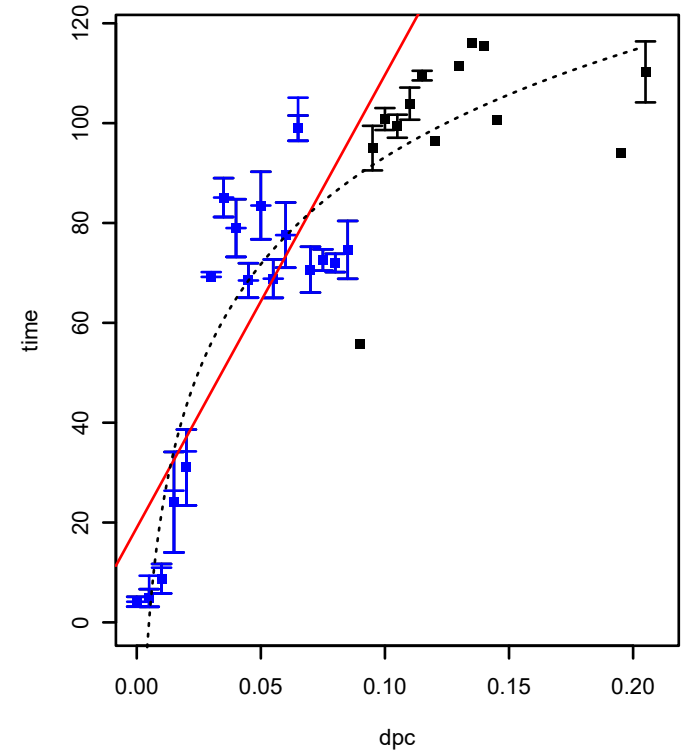
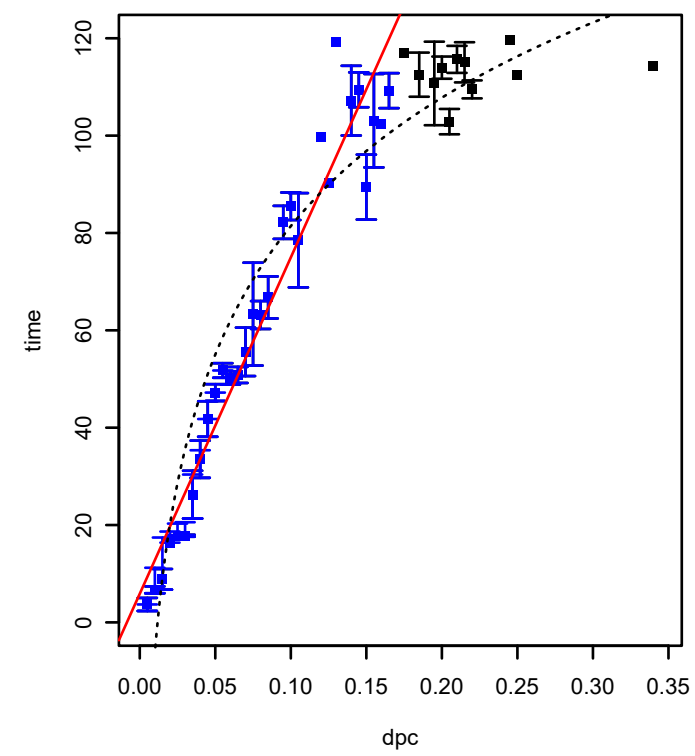
SPO2751 (COG0546) (*HTCC2255-Basal)**SPO3373 (COG0597) (*HTCC2255-Basal)****SPO0669 (COG0040) (*HTCC2255-Basal)****SPO0392 (COG0180)****SPO3072 (COG3346) (*HTCC2255-Basal)****SPO1304 (COG4160)****SPO3073 (COG1845)****SPO1246 (COG0354) (*HTCC2255-Basal)**

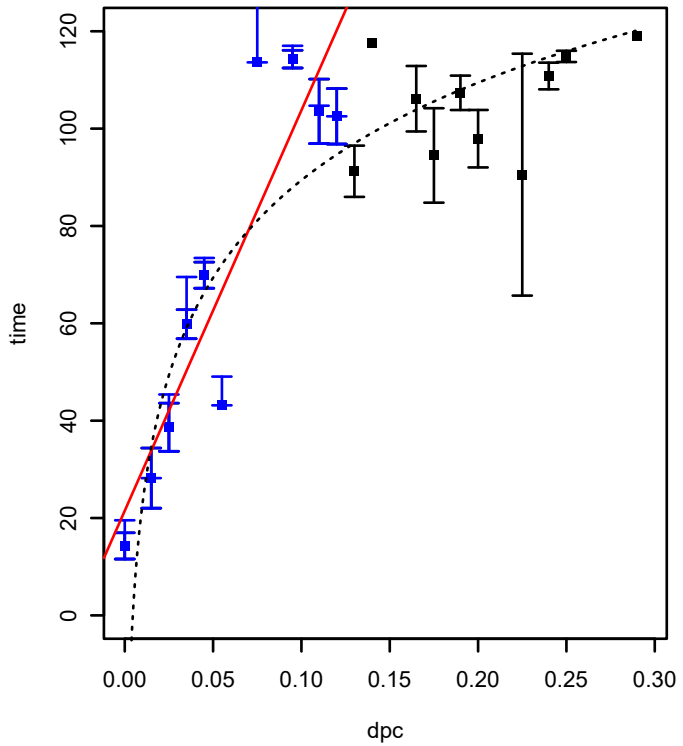
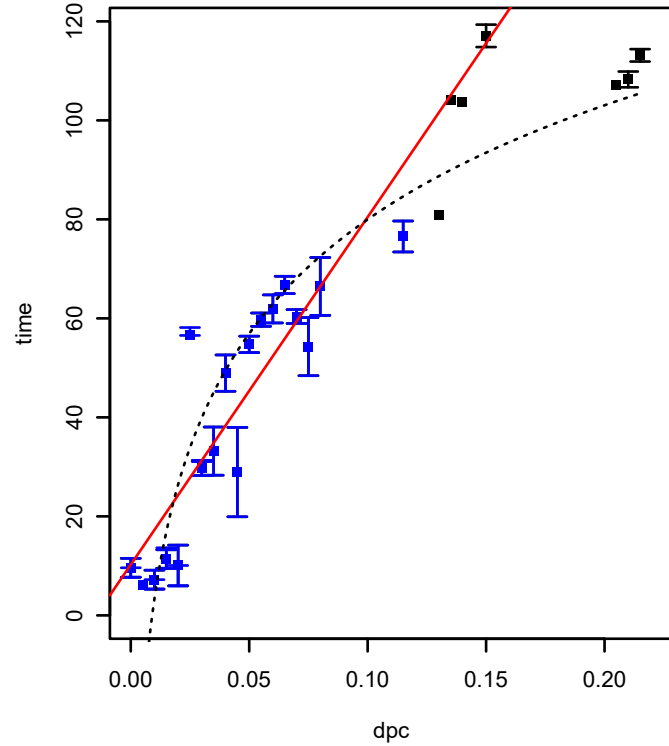
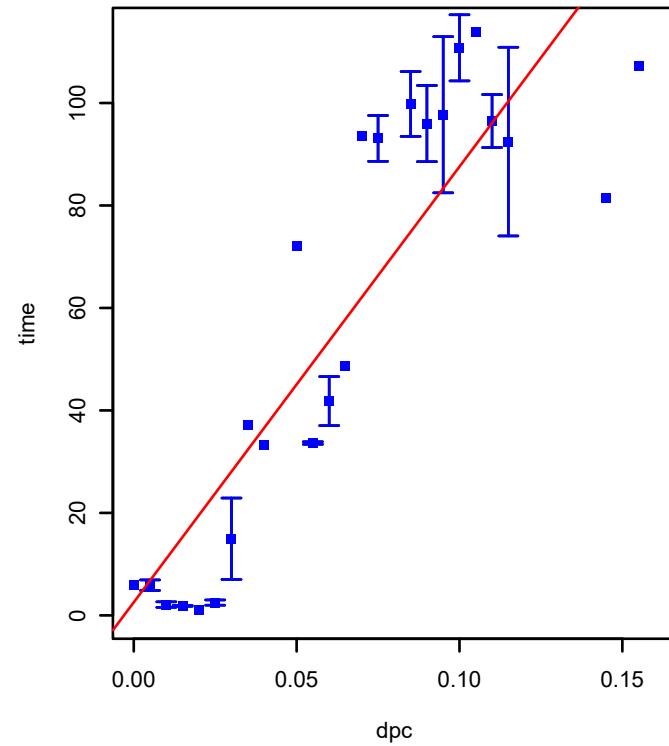
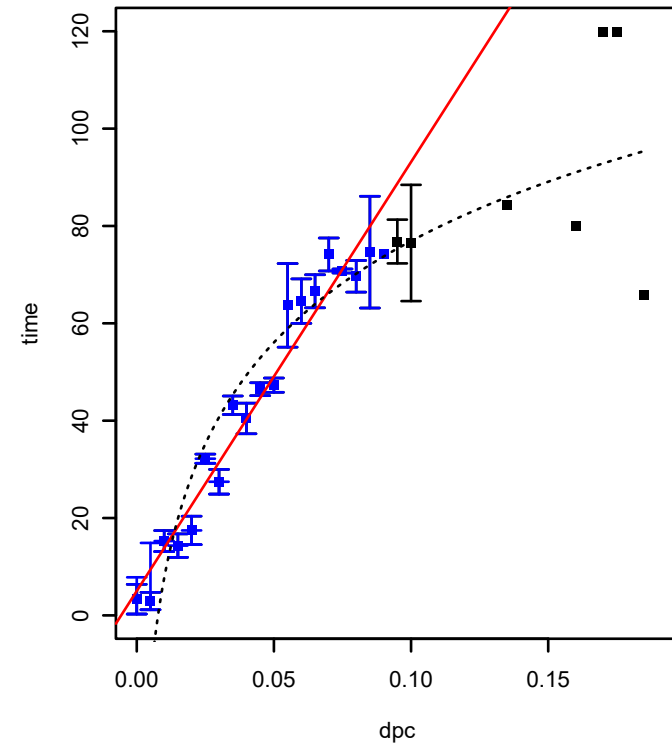
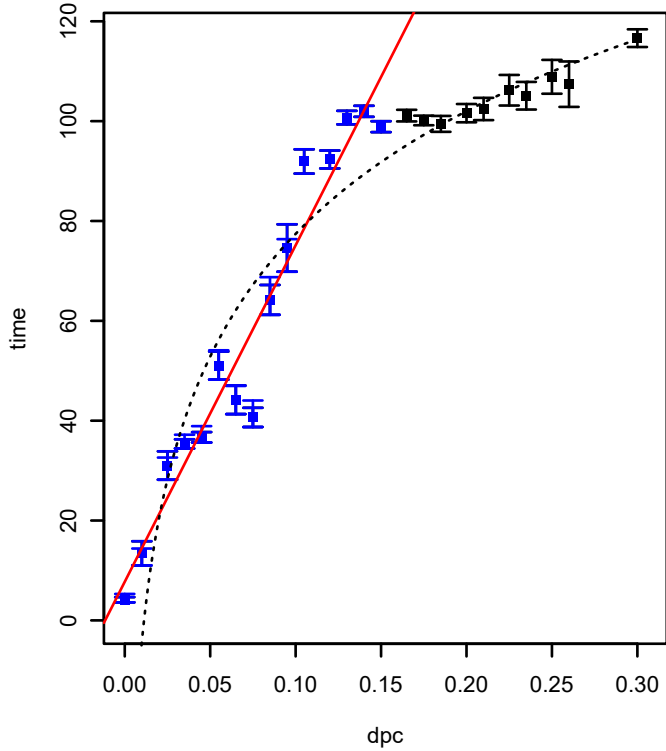
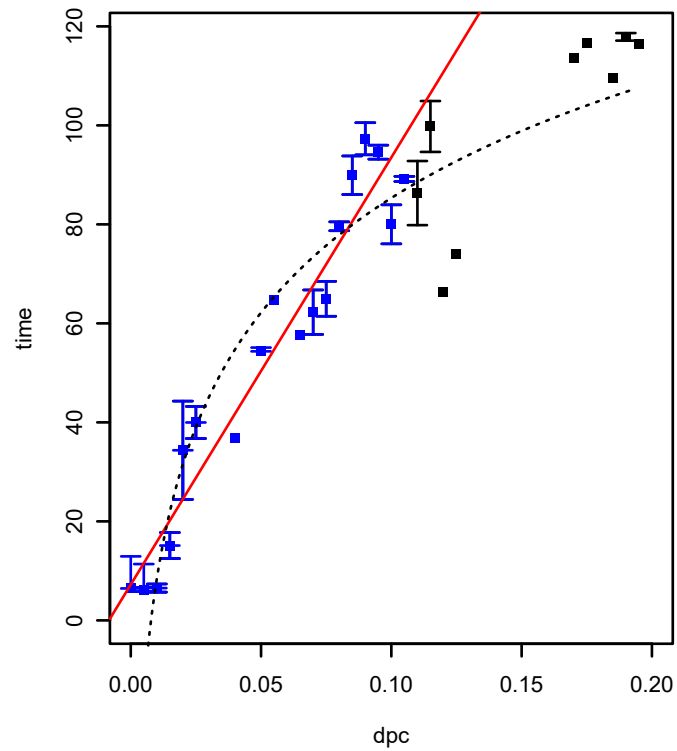
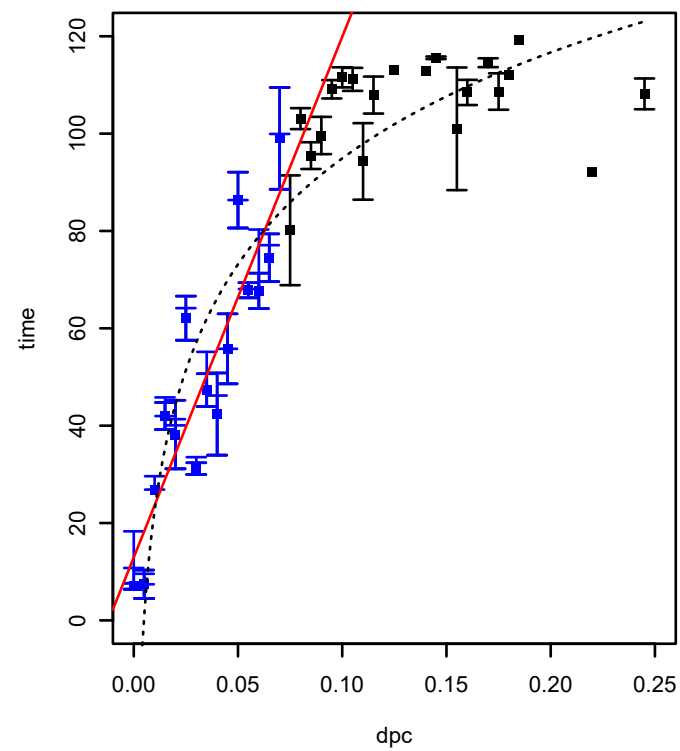
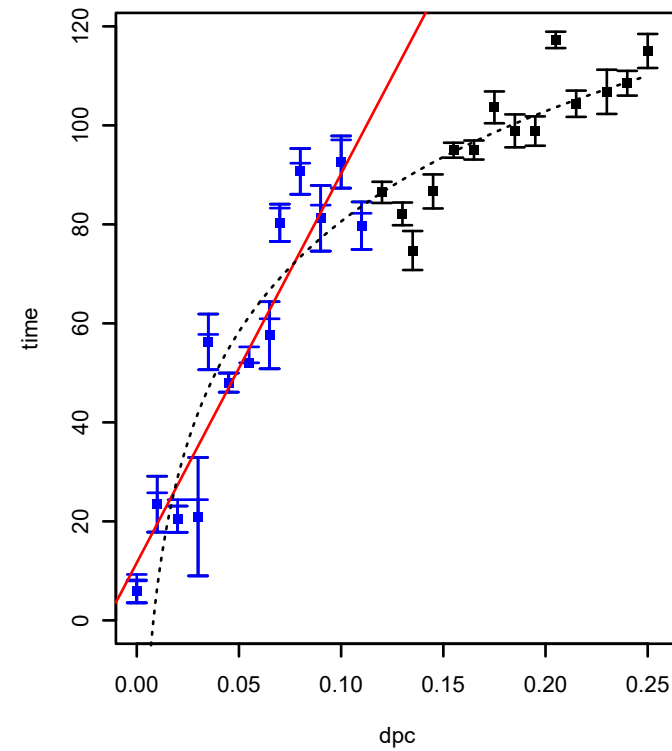
SPO0715 (COG1925) (*HTCC2255-Basal)**SPO3454 (NA) (*HTCC2255-Basal)****SPO3892 (COG0424) (*HTCC2255-Basal)****SPO0319 (COG0142)****SPO0815 (COG0159)****SPO1360 (COG3773) (*HTCC2255-Basal)****SPO2239 (NA) (*HTCC2255-Basal)****SPO3854 (COG0533) (*HTCC2255-Basal)**

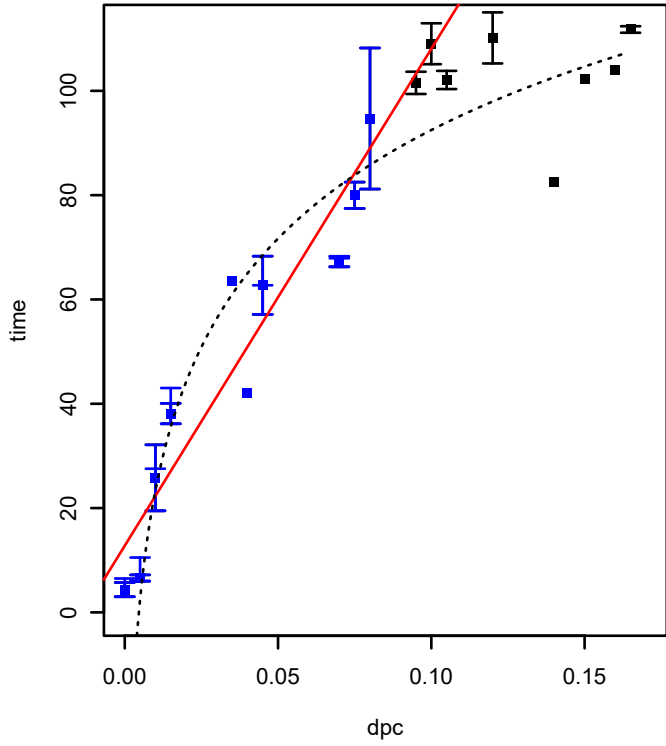
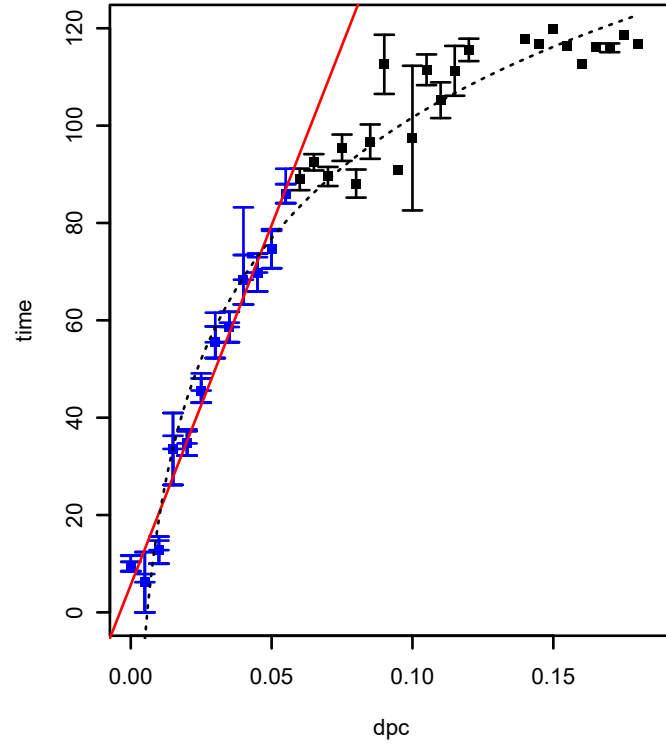
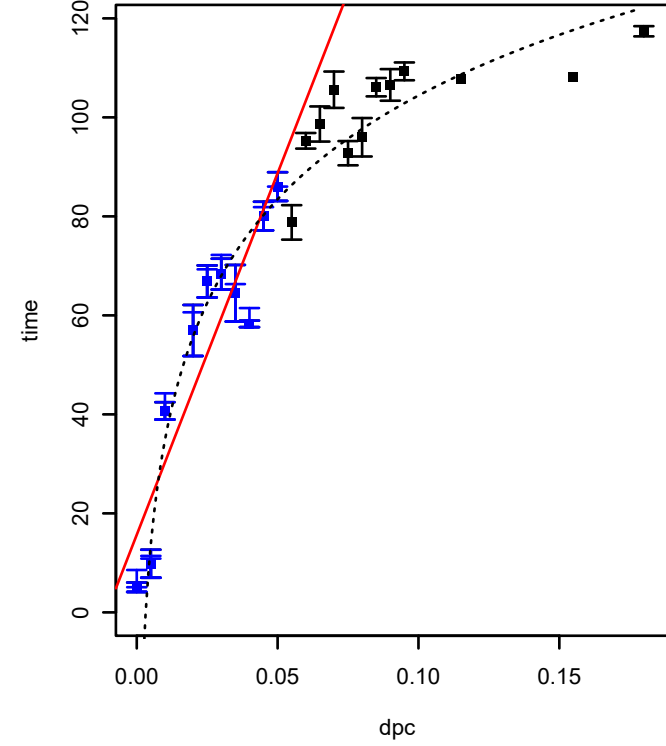
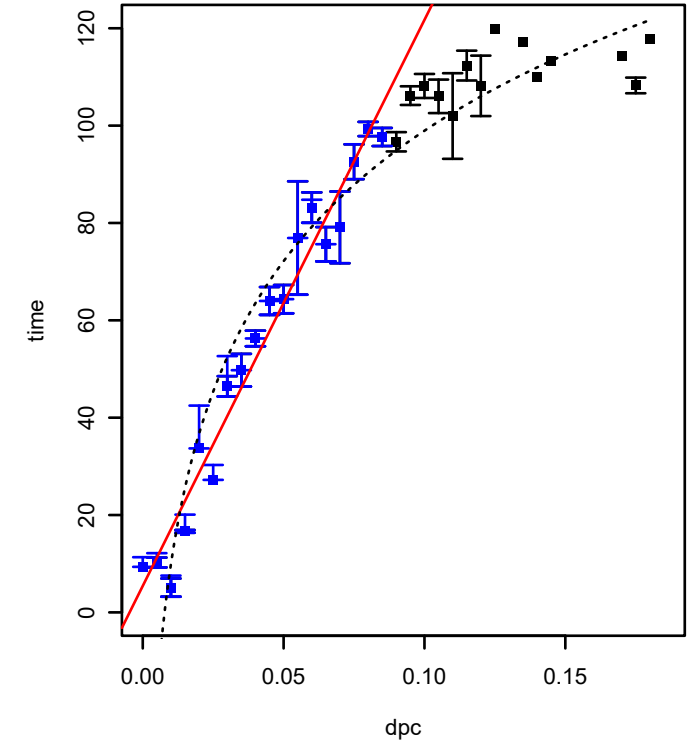
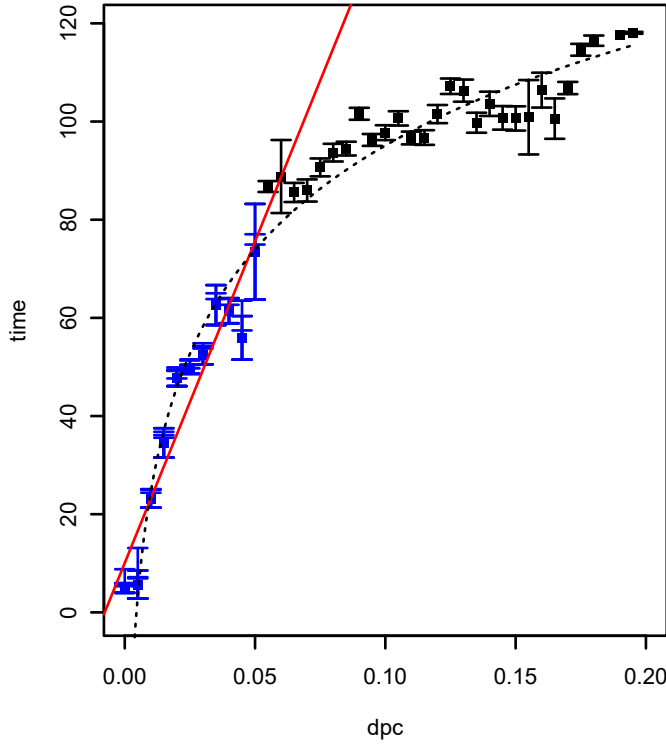
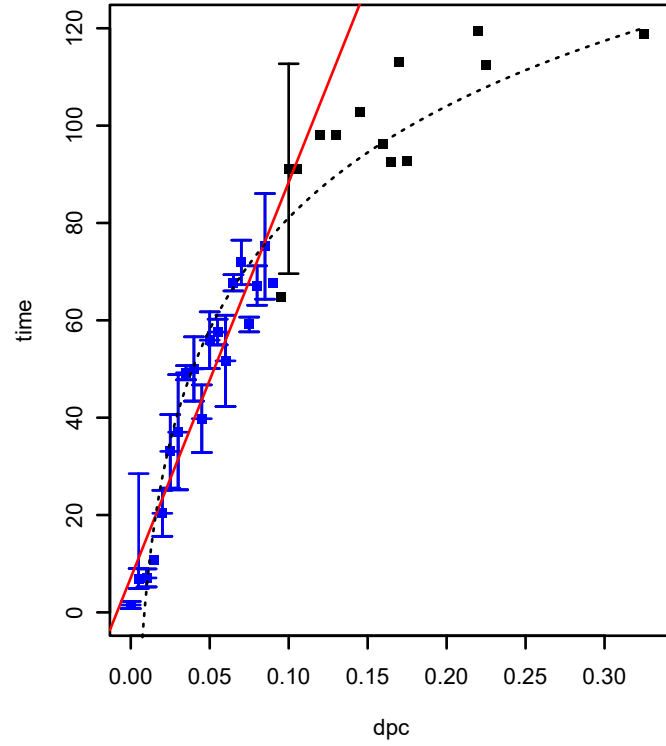
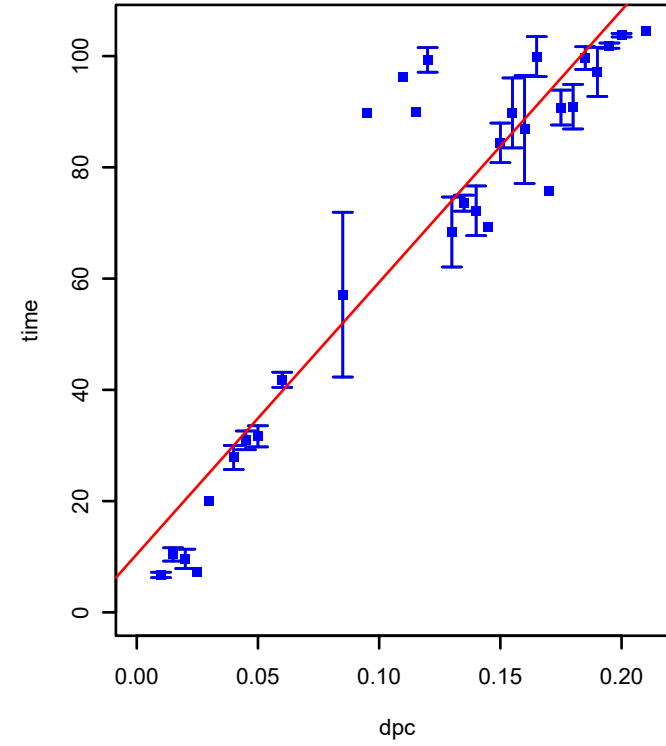
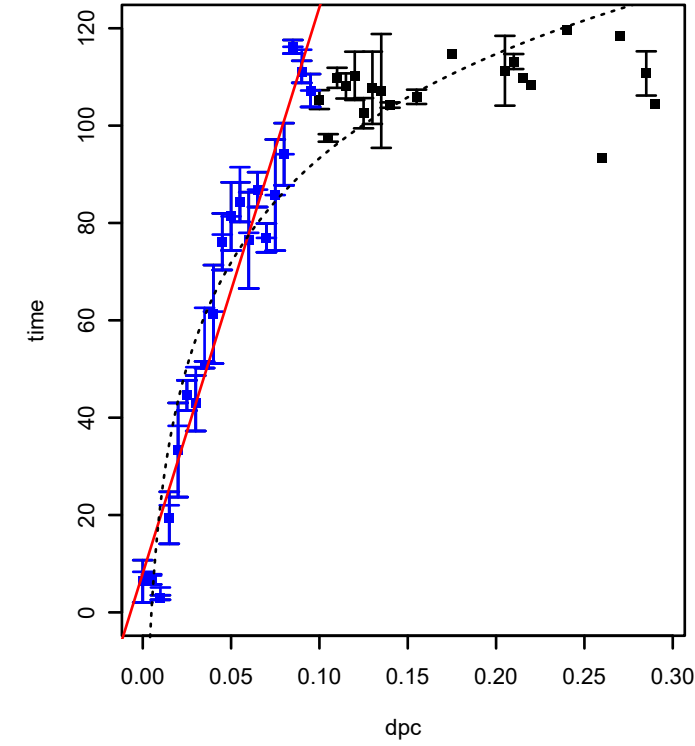
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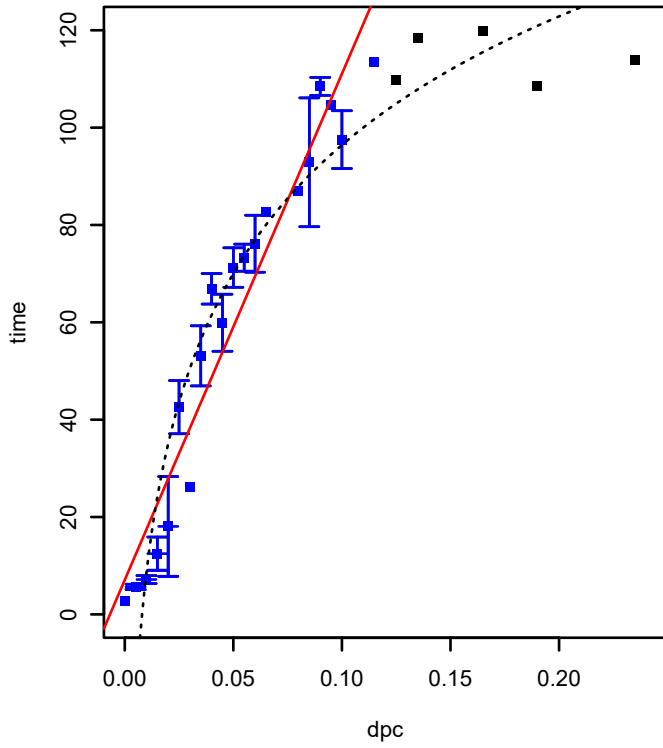
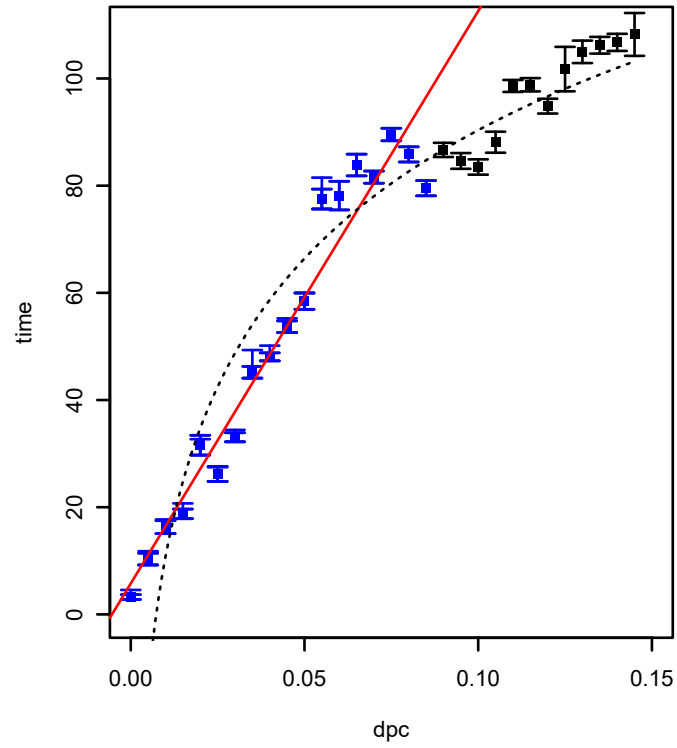
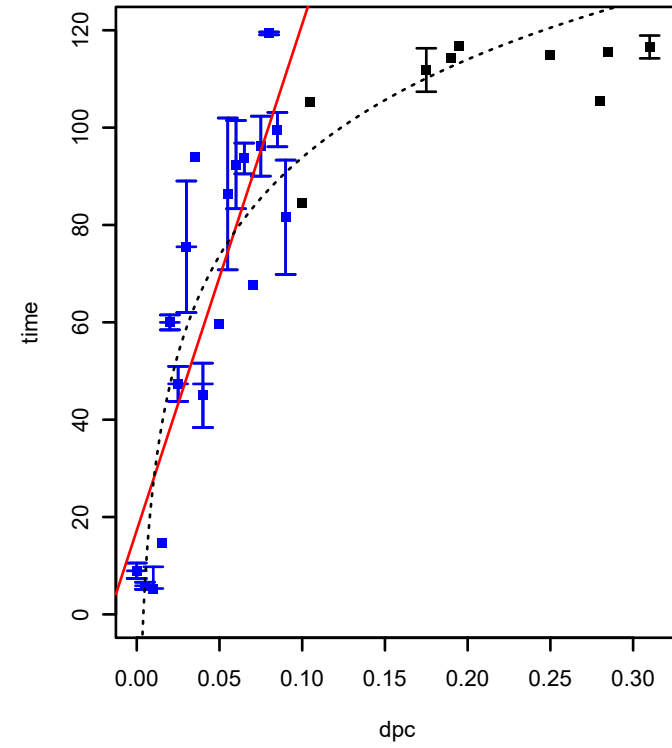
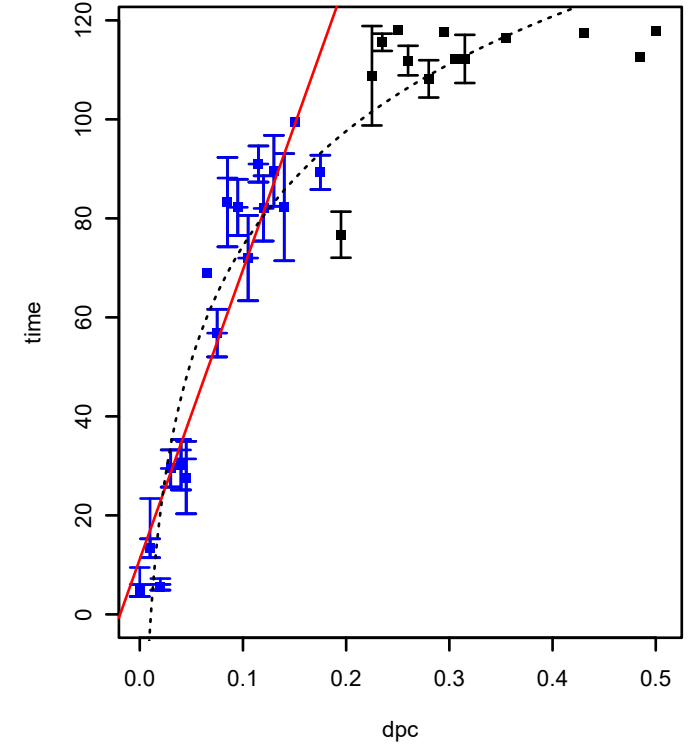
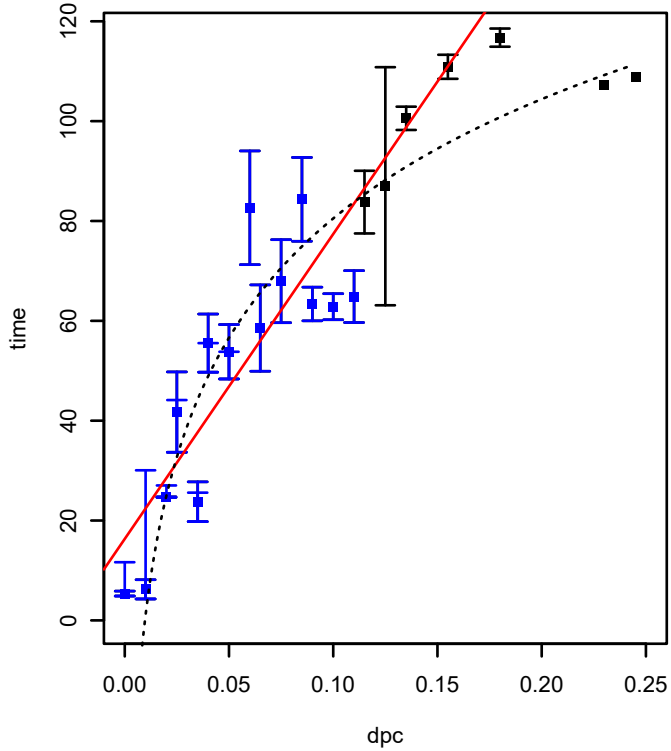
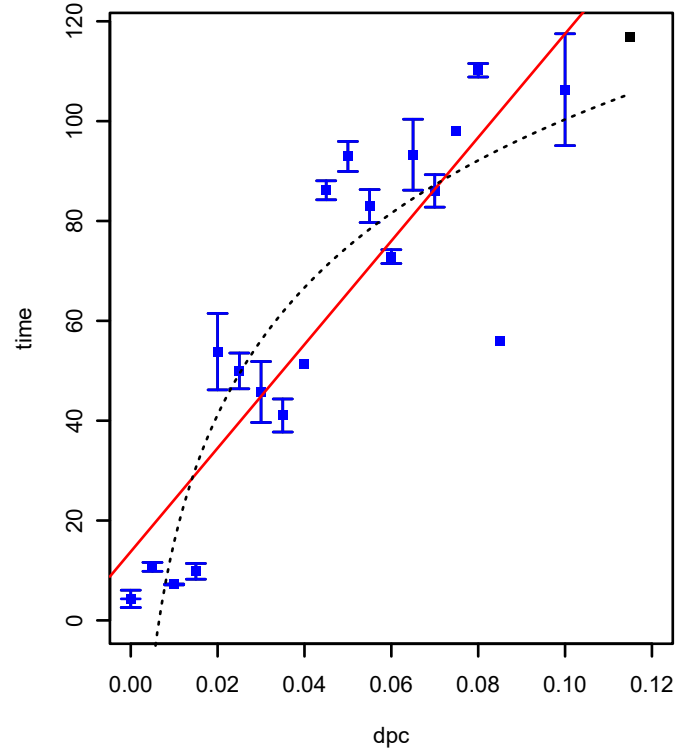
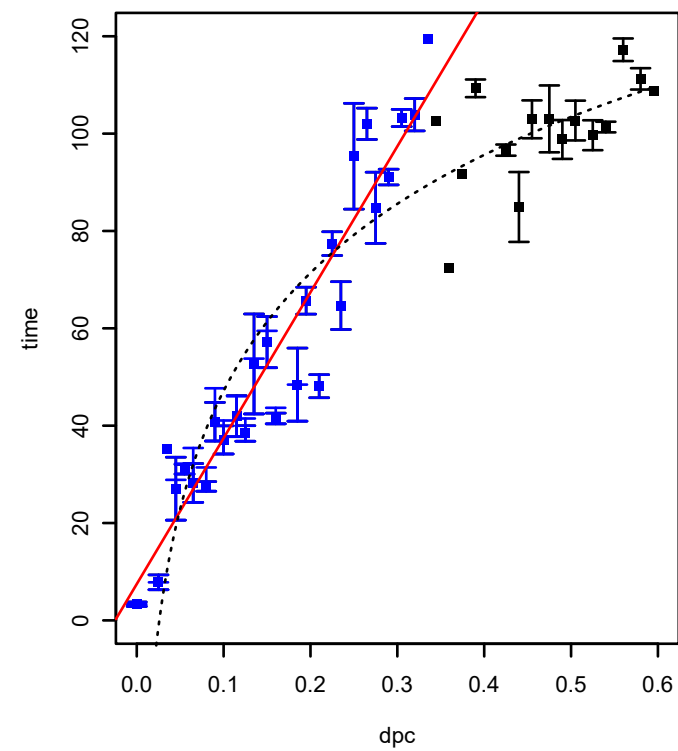
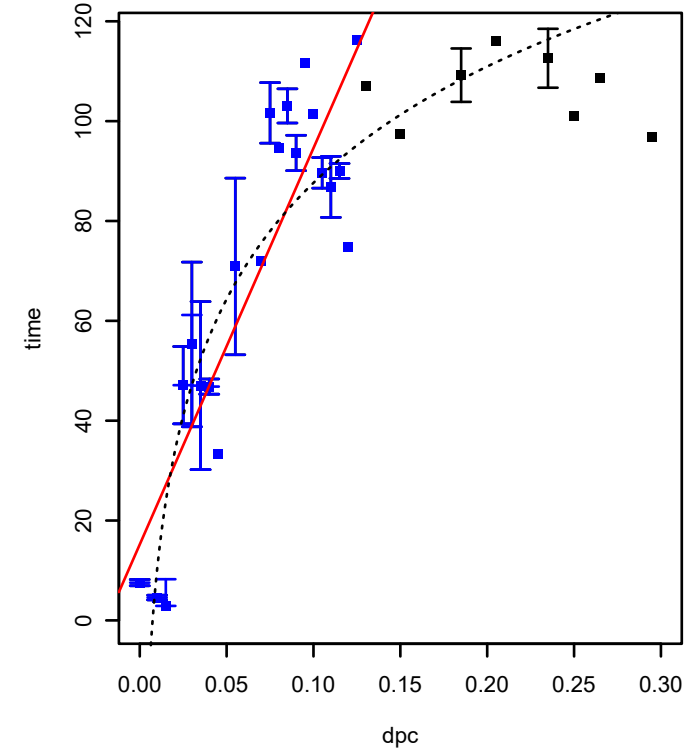
SPO3890 (COG0237)**SPO3629 (COG1385) (*HTCC2255-Basal)****SPO3418 (COG0154)****SPO2113 (NA) (*HTCC2255-Basal)****SPO1009 (COG2360) (*HTCC2255-Basal)****SPO3482 (COG3591) (*HTCC2255-Basal)****SPO3871 (COG1208)****SPO2350 (COG0816) (*HTCC2255-Basal)**

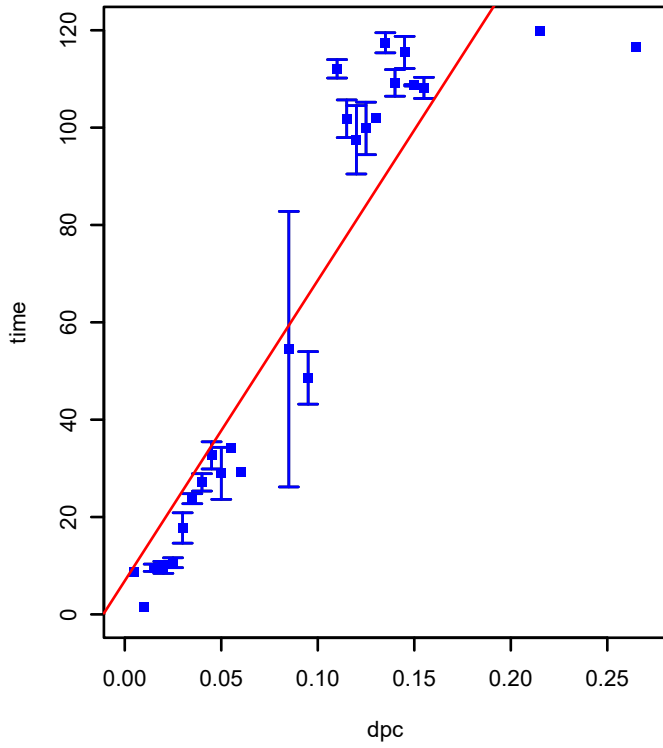
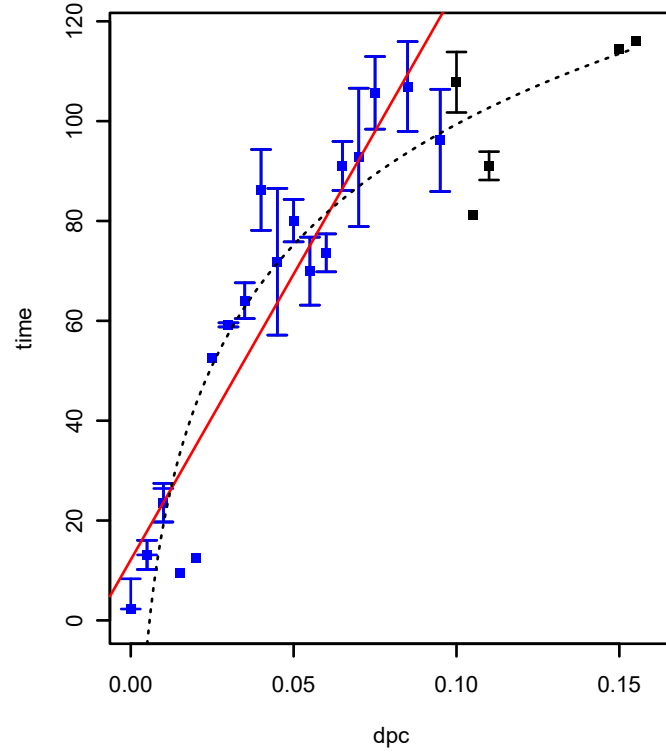
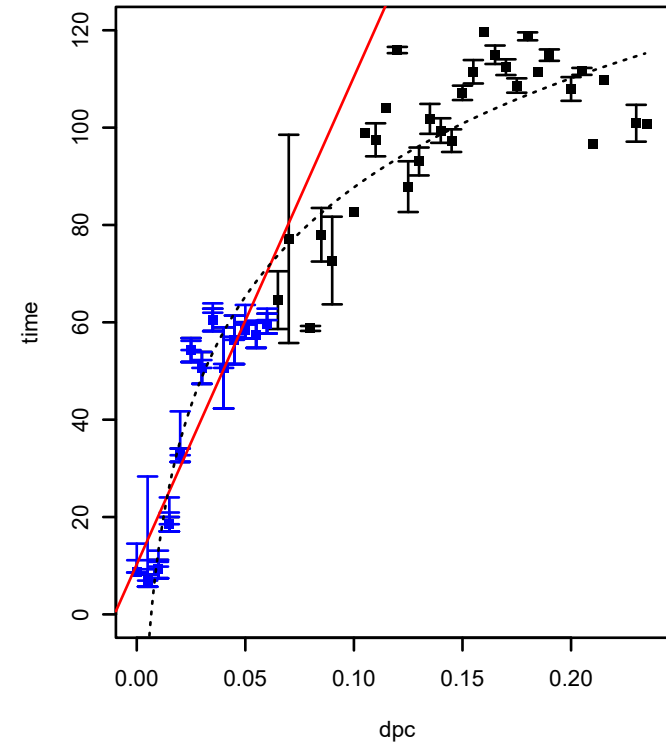
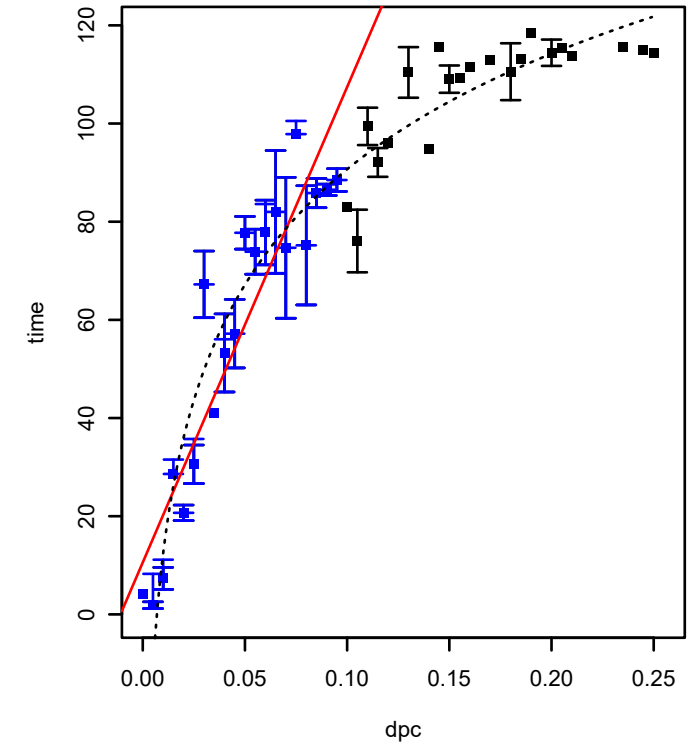
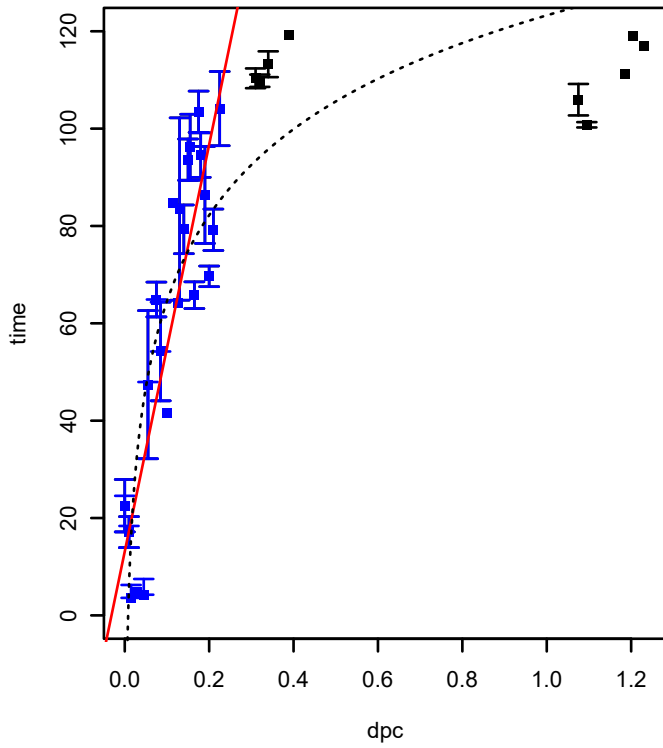
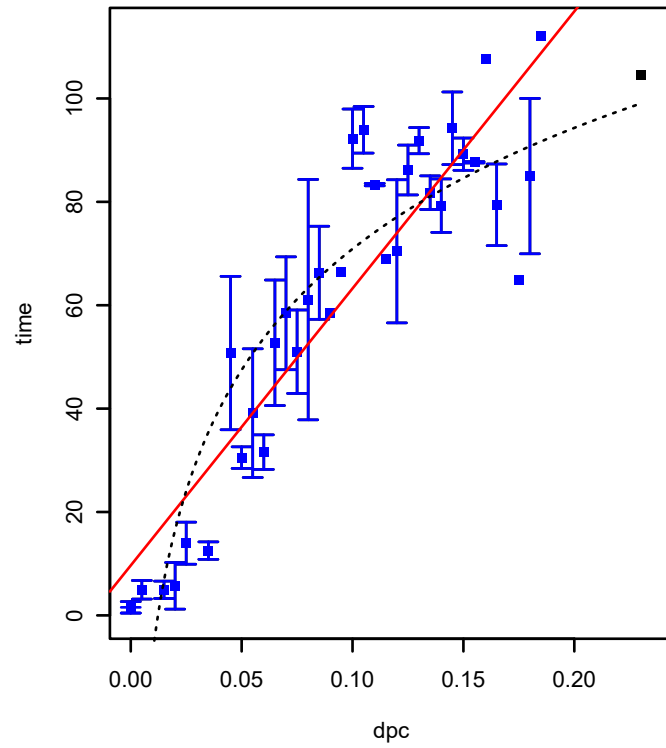
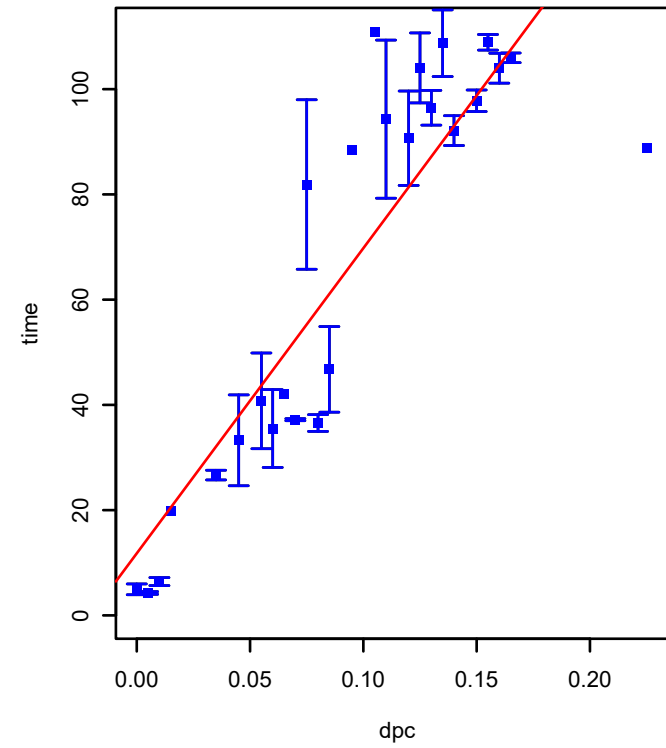
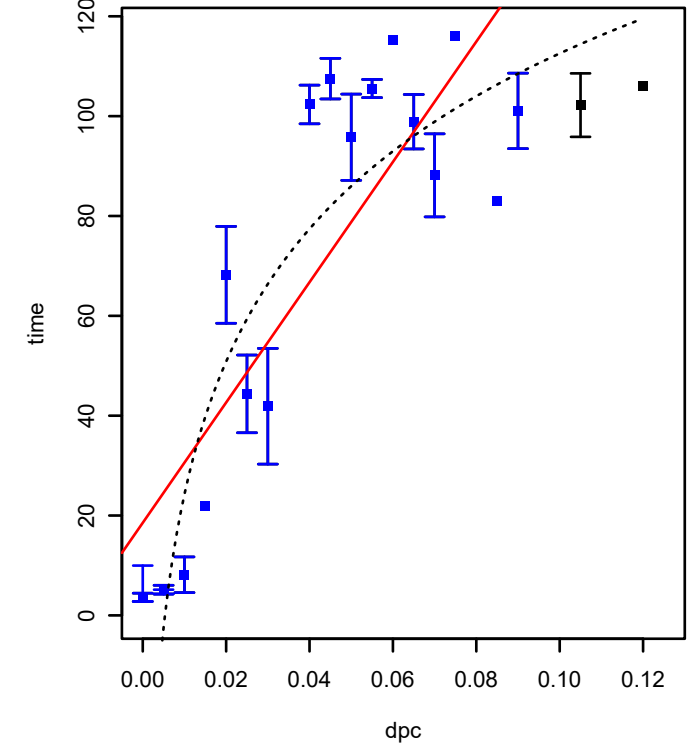
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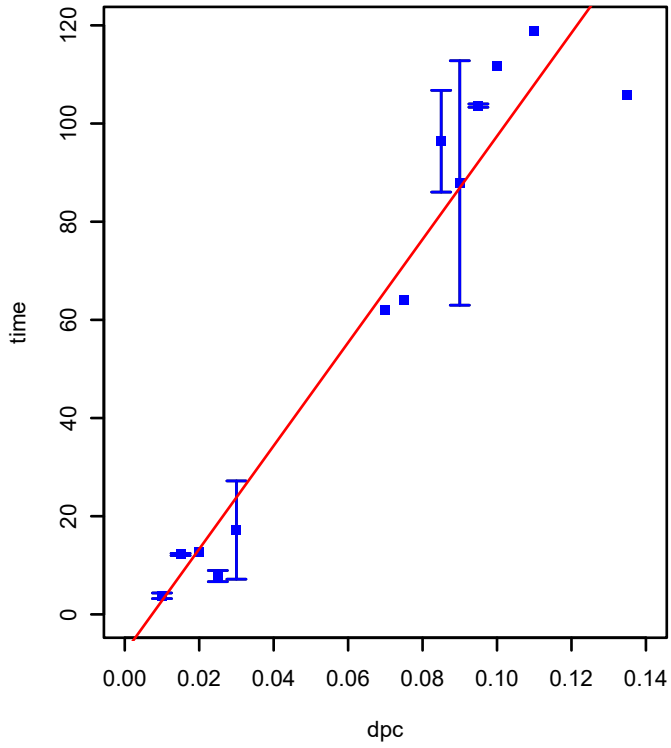
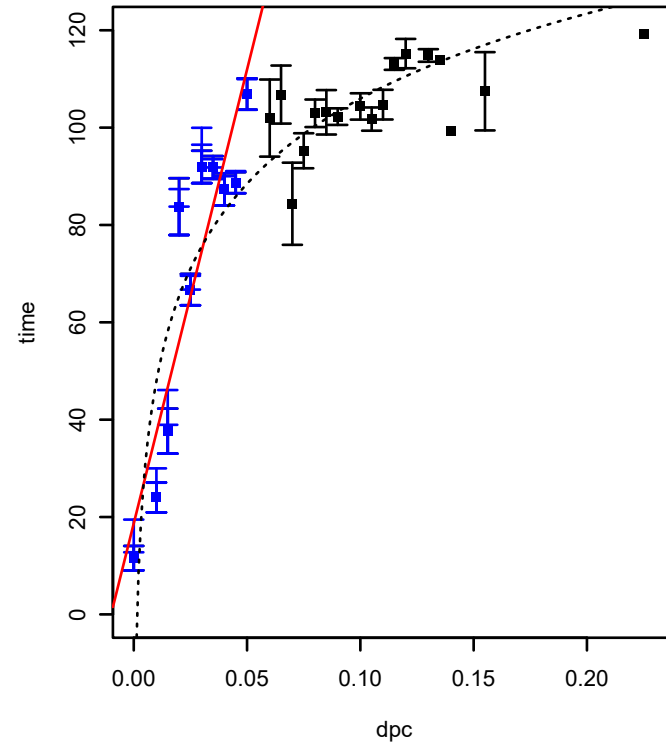
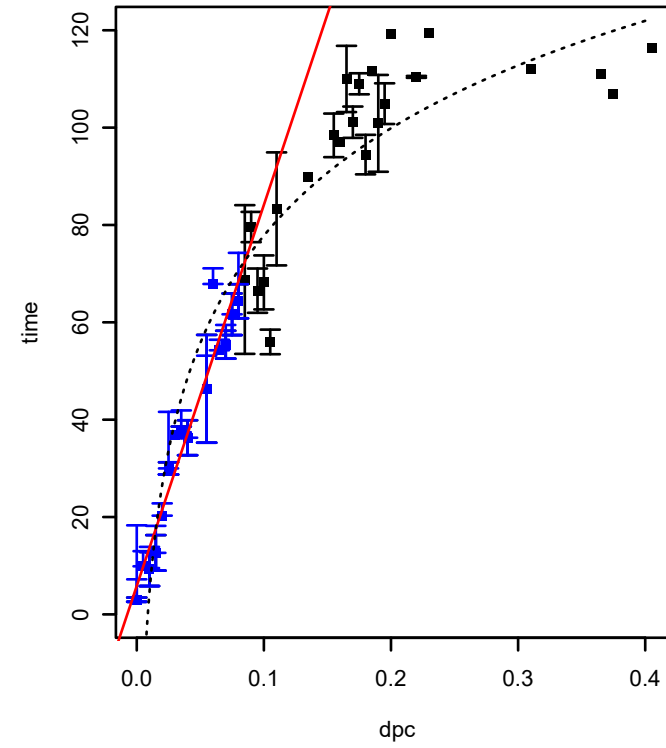
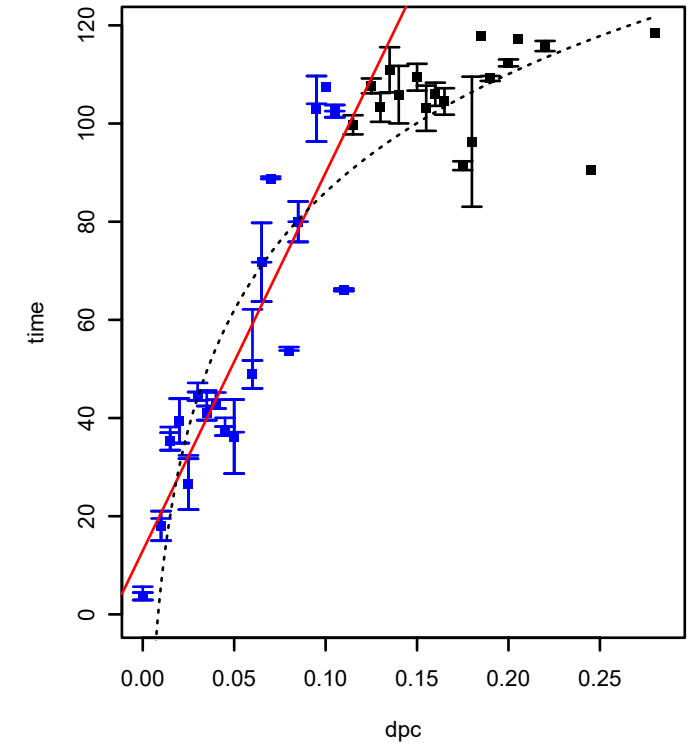
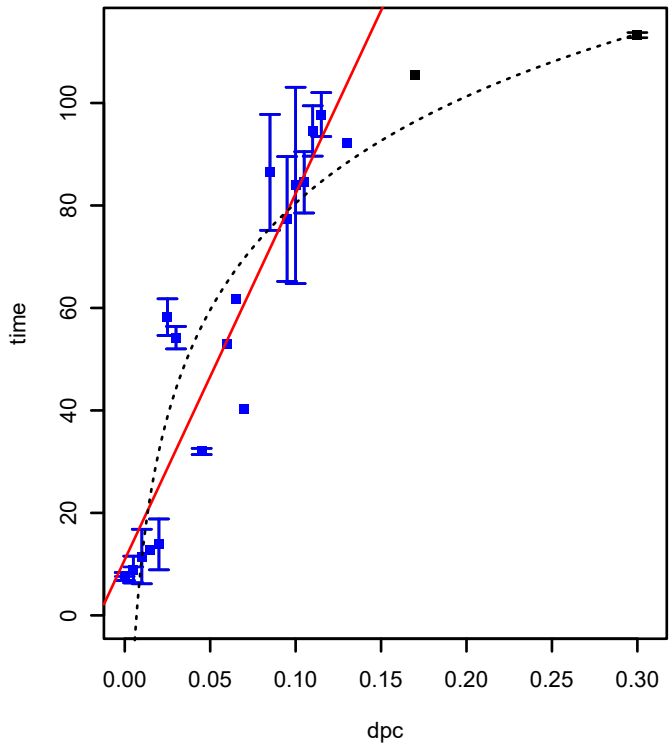
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SPO3336 (NA)**SPO3177 (COG0079)****SPO0059 (COG1364) (*HTCC2255-Basal)****SPO2054 (COG1612) (*HTCC2255-Basal)****SPO0498 (COG0199)****SPO2226 (COG0809) (*HTCC2255-Basal)****SPO2761 (COG1521) (*HTCC2255-Basal)****SPO1868 (COG0278) (*HTCC2255-Basal)**

SPO1670 (COG4775)**SPO0944 (COG0621) (*HTCC2255-Basal)****SPO2109 (COG0519)****SPO1686 (COG1206) (*HTCC2255-Basal)****SPO0063 (COG0195) (*HTCC2255-Basal)****SPO0811 (COG0193) (*HTCC2255-Basal)****SPO2145 (COG0760)****SPO3201 (COG0854)**

SPO1264 (COG0436)**SPO0802 (COG0539) (*HTCC2255-Basal)****SPO2837 (COG2071) (*HTCC2255-Basal)****SPO2318 (COG3737)****SPO0714 (COG2893) (*HTCC2255-Basal)****SPO3005 (COG1132) (*HTCC2255-Basal)****SPO3237 (COG5336) (*HTCC2255-Basal)****SPO2154 (COG1974)**

SPO3448 (COG1194)**SPO2150 (COG0547) (*HTCC2255-Basal)****SPO3071 (COG0498) (*HTCC2255-Basal)****SPO0024 (COG1281) (*HTCC2255-Basal)****SPO0523 (COG2062)****SPO3440 (COG4221) (*HTCC2255-Basal)****SPO3282 (COG3741) (*HTCC2255-Basal)****SPO0004 (COG1475) (*HTCC2255-Basal)**

SPO0001 (COG0445)**SPO1244 (COG0231)****SPO3120 (COG2264) (*HTCC2255-Basal)****SPO0078 (COG1544) (*HTCC2255-Basal)****SPO0339 (COG0204) (*HTCC2255-Basal)****SPO2958 (COG0483) (*HTCC2255-Basal)**