

Column Name	P-value	KS Score
B_biomech_KneeKinetics_PeakFlexM1	4.91E-08	0.613553114
B_biomech_KneeKinetics_FlexMImp1	5.40E-07	0.56959707
B_biomech_KneeKinetics_ExMImp2	5.51E-06	0.522893773
B_morphMRI_Coronal_SHOMRI_CartilagLesion.FL	1.35E-05	0.486549708
B_biomech_KneeKinetics_FlexMImp2	1.64E-05	0.5
B_morphMRI_SHOMRI_TotalCartilageScore	5.57E-05	0.45497076
B_biomech_KneeKinetics_ExMImp1	6.69E-05	0.470695971
B_biomech_KneeKinetics_PeakERM	0.000193187	0.445970696
B_biomech_KneeKinematics_PeakFlexAngle	0.000485635	0.423076923
B_bomech_KneeKinematics_PeakAbduction	0.002467246	0.379120879
B_bomech_KneeKinematics_FlexInitialContact	0.004691266	0.358974359
B_morphMRI_Sagittal_SHOMRI_CartilagLesion.AA	0.008082509	0.330994152
B_boimech_KneeKinetics_PeakExM1	0.009223018	0.33974359
B_morphMRI_Sagittal_SHOMRI_CartilagLesion.FA	0.009223018	0.326315789
B_compMRI_SHOMRI_Total	0.011208835	0.320467836
B_bomech_KneeKinematics_SagExcursion	0.011952043	0.330586081
B_biomech_HipKinematics_PeakFlex	0.013573266	0.326007326
B_morphMRI_Coronal_SHOMRI_ligamentumteres	0.015389755	0.30994152
B_compMRI_Femoral_T1p_subcomp6.mean	0.019689815	0.305194805
B_biomech_GRF_Peak_vGRF1	0.02091991	0.313186813
B_morphMRI_Coronal_SHOMRI_CartilagLesion.ASL	0.02091991	0.300584795
B_morphMRI_Coronal_SHOMRI_CartilagLesion.FSL	0.02091991	0.300584795
B_morphMRI_Coronal_SHOMRI_CartilagLesionASM	0.02091991	0.299415205
B_biomech_KneeKinetics_PeakAddM2	0.025030636	0.305860806
B_compMRI_Femoral_T2_subcomp7.mean	0.026551868	0.297757475
B_morphMRI_Coronal_SHOMRI_CartilagLesion.FSM	0.026551868	0.29122807
B_biomech_KneeKinematics_PeakExtensionMidstance	0.044349062	0.284798535
B_compMRI_Acetabular_T1p_wholecartilage.mean	0.046856493	0.275974026
B_biomech_KneeKinematics_PeakAdduction	0.049485877	0.281135531
B_morphMRI_Coronal_SHOMRI_CartilagLesion.FIM	0.052241889	0.267836257
B_demographic_BMI	0.05512931	0.265497076
B_compMRI_Femoral_T1p_subcomp7.mean	0.058153024	0.268687708
B_biomech_KneeKinematics_SagittalROM	0.064629354	0.27014652
B_biomech_HipKinematics_PeakAdd	0.071711875	0.267399267
B_biomech_HipKinematics_PeakIRM	0.071711875	0.267399267
B_biomech_KneeKinetics_PeakExM2	0.071711875	0.266483516
B_biomech_KneeKinetics_PeakAddM1	0.075493659	0.264652015
B_PROMs_ROM_harris_q10e	0.092351687	0.276412776
B_compMRI_Acetabular_T2_subcomp6.mean	0.097026898	0.308966862
B_biomech_KneeKinetics_KAM1Imp	0.097026898	0.253663004
B_morphMRI_Sagittal_SHOMRI_SubchondralCyst.AA	0.097026898	0.244444444

B_biomech_KneeKinetics_KAM1Imp	0.106970102	0.249084249
B_demographic_Age	0.123453809	0.235087719
B_biomech_HipKinetics_PeakFlexM	0.129390042	0.242673993
B_morphMRI_SHOMRI_MiscTotal	0.129390042	0.231578947
B_biomech_HipKinematics_PeakSagROM	0.148604982	0.235347985
B_morphMRI_SHOMRI_TotalBMEScore	0.155497818	0.223391813
B_biomech_KneeKinetics_PeakIRM	0.16264398	0.230769231
B_morphMRI_SHOMRI_AlphaAngle	0.170048974	0.571428571
B_shape_mode_15	0.170048974	0.248900063
B_compMRI_Femoral_T1p_subcomp4.mean	0.170048974	0.222402597
B_morphMRI_SHOMRI_TotalCystScore	0.177718193	0.21871345
B_compMRI_Acetabular_T1p_subcomp2.mean	0.185656892	0.219155844
B_shape_mode_13	0.19387017	0.240729101
B_biomech_HipKinetics_PeakExt	0.19387017	0.222527473
B_shape_mode_18	0.202362942	0.238214959
B_compMRI_Acetabular_T1p_subcomp6.mean	0.211139916	0.266081871
B_shape_mode_20	0.211139916	0.237586424
B_biomech_GRF_linear_loading_rate	0.220205559	0.217032967
B_shape_mode_10	0.229564074	0.233186675
B_biomech_HipKinematics_PeakEx	0.229564074	0.215201465
B_compMRI_Acetabular_T2_wholecartilage.mean	0.229564074	0.207792208
B_biomech_GRF_vGRF1_impulse	0.249174996	0.210622711
B_morphMRI_Coronal_SHOMRI_BoneMarrowEdema.ASL	0.259434169	0.2
B_biomech_HipKinetics_ExtMImp	0.280873839	0.205128205
B_compMRI_Acetabular_T1p_subcomp5.mean	0.292058511	0.196428571
B_morphMRI_Sagittal_SHOMRI_CartilageLesion.FP	0.303554983	0.191812865
B_shape_mode_2	0.315363956	0.213702074
B_morphMRI_Labrum_SHOMRI_Sagittal.ASL	0.339918919	0.185964912
B_compMRI_Acetabular_T2_subcomp5.mean	0.392730708	0.180194805
B_compMRI_Acetabular_T1p_subcomp3.mean	0.392730708	0.180194805
B_compMRI_Acetabular_T2_subcomp2.mean	0.420929025	0.176948052
B_shape_mode_5	0.435455382	0.194846009
B_PROMs_ROM_harris_q10b	0.435455382	0.192260442
B_shape_mode_14	0.450255436	0.192331867
B_KLScore_ScannedHIP	0.450255436	0.174528302
B_compMRI_Femoral_T1p_wholecartilage.mean	0.46531922	0.170454545
B_biomech_HipKinetics_PeakAdd	0.48063536	0.173076923
B_morphMRI_Coronal_SHOMRI_centeredgeangle	0.496190995	0.428571429
B_KLScore_ContralateralHip	0.511971705	0.198938992
B_PROMs_PROMIS_mental_raw	0.511971705	0.191964286
B_compMRI_Femoral_T2_subcomp2.mean	0.511971705	0.163961039
B_compMRI_Femoral_T1p_subcomp2.mean	0.511971705	0.163961039

B_compMRI_Acetabular_T2_subcomp4.mean	0.511971705	0.163961039
B_shape_mode_12	0.560495104	0.175989943
B_bomech_KneeKinematics_PeakExternalRotation	0.560495104	0.162087912
B_compMRI_Acetabular_T2_subcomp3.mean	0.560495104	0.159090909
B_morphMRI_Sagittal_SHOMRI_BoneMarrowEdema.AA	0.560495104	0.155555556
B_PROMs_ROM_harris_q10a	0.593628256	0.170761671
B_PROMs_harris_score_total	0.593628256	0.169369369
B_biomech_HipKinematics_PeakAbd	0.593628256	0.158424908
B_biomech_HipKinematics_PeakERM	0.593628256	0.158424908
B_morphMRI_SHOMRI_TotalLabrumScore	0.593628256	0.152046784
B_shape_mode_3	0.610360271	0.168447517
B_PROMs_IPAQ_moderate_met	0.627167042	0.155462185
B_compMRI_Femoral_T2_subcomp5.mean	0.627167042	0.149350649
B_compMRI_Femoral_T2_subcomp4.mean	0.627167042	0.149350649
B_shape_mode_6	0.694530128	0.159019485
B_compMRI_Femoral_T2_subcomp6.mean	0.711235195	0.13961039
B_morphMRI_Coronal_SHOMRI_SLL	0.711235195	0.139181287
B_compMRI_Femoral_T1p_subcomp3.mean	0.744219726	0.136363636
B_morphMRI_Labrum_SHOMRI_ObliqueAxial.AL	0.760417794	0.133333333
B_morphMRI_Coronal_SHOMRI_BoneMarrowEdema.ASM	0.760417794	0.133333333
B_shape_mode_16	0.77636338	0.147705845
B_biomech_KneeKinematics_PeakInternalRotation	0.792013032	0.134615385
B_shape_mode_1	0.807322717	0.14142049
B_biomech_GRF_Peak_vGRF2	0.82224819	0.129120879
B_compMRI_Femoral_T2_subcomp3.mean	0.82224819	0.126623377
patient #	0.82224819	0.122433744
B_PROMs_ROM_harris_q10d	0.836745406	0.138888889
B_shape_mode_11	0.836745406	0.138277813
B_PROMs_IPAQ_vigorous_met	0.836745406	0.128851541
B_biomech_GRF_vGRF2_impulse	0.836745406	0.127289377
compositional femoral	0.836745406	0.125
B_PROMs_Hoos_womac_function	0.836745406	0.123412698
B_PROMs_Hoos_adl_score	0.836745406	0.123412698
B_shape_mode_8	0.850770995	0.136392206
B_biomech_HipKinetics_PeakERM	0.850770995	0.126373626
B_shape_mode_19	0.864282779	0.133878064
B_compMRI_Acetabular_T1p_subcomp4.mean	0.864282779	0.12012987
B_morphMRI_Labrum_SHOMRI_ObliqueAxial.PL	0.864282779	0.118128655
B_demographic_HipSide	0.877240341	0.116959064
B_morphMRI_Coronal_SHOMRI_SubchondralCyst.ASL	0.877240341	0.115789474
B_PROMs_IPAQ_categorical_score	0.889605638	0.11525974
B_shape_mode_7	0.901343642	0.125707102

B_biomech_KneeKinetics_PeakFlexM2	0.901343642	0.118131868
B_shape_mode_17	0.912423018	0.125078567
B_morphMRI_Coronal_SHOMRI_SubchondralCyst.ASM	0.912423018	0.111111111
B_shape_mode_9	0.922816795	0.121935889
B_biomech_HipKinetics_FlexMImp	0.922816795	0.113553114
B_PROMs_Hoos_pain_score	0.922816795	0.113445378
B_biomech_HipKinetics_AddMImp	0.932503047	0.111721612
B_compMRI_Femoral_T2_wholecartilage.mean	0.932503047	0.108766234
B_compMRI_Femoral_T1p_subcomp5.mean	0.932503047	0.107142857
B_PROMs_PROMIS_physical_raw	0.941465537	0.12202381
B_PROMs_PROMIS_physical_t	0.941465537	0.12202381
B_PROMs_PROMIS_physical_se	0.941465537	0.12202381
compositional acetabular	0.941465537	0.107142857
B_morphMRI_Sagittal_SHOMRI_CartilagelLesion.AP	0.949694307	0.102923977
B_PROMs_Hoos_sympoms_score	0.957186197	0.100396825
B_PROMs_ROM_harris_q10c	0.963945244	0.10995086
B_PROMs_IPAQ_walking_met	0.963945244	0.102240896
B_PROMs_Hoos_sports_score	0.963945244	0.099206349
B_shape_mode_4	0.969982946	0.108108108
B_morphMRI_Sagittal_SHOMRI_SubchondralCyst.AP	0.979977956	0.093567251
B_PROMs_Hoos_womac_pain	0.992622715	0.084920635
B_PROMs_Hoos_womac_stiffness	0.996028258	0.081746032
B_morphMRI_Axial_SHOMRI_Effusion	0.996028258	0.080701754
morphological progressor STRONG(2) LOOSE(1)	0.996028258	0.080253826
B_demographic_DominantLeg	0.997192327	0.105263158
B_morphMRI_Coronal_SHOMRI_BoneMarrowEdema.FSM	0.998070641	0.076023392
B_morphMRI_Sagittal_SHOMRI_BoneMarrowEdema.FA	0.998070641	0.076023392
B_PROMs_IPAQ_ss_wdhrs_c	0.999173657	0.07251462
B_morphMRI_Coronal_SHOMRI_acetabularundercoverag	0.999488777	0.071345029
HOOS progressor (2) vs non (1)	0.99995412	0.061590146
B_PROMs_IPAQ_ss_vdhrs_c	0.99999632	0.057309942
B_PROMs_PROMIS_rescored07	0.999998688	0.06554878
B_demographic_Gender	0.999999886	0.051461988
B_demographic_Race	0.999999995	0.046783626
B_demographic_Ethnicity	0.999999995	0.046783626
B_PROMs_PROMIS_mental_se	0.999999999	0.052083333
B_morphMRI_Sagittal_SHOMRI_BoneMarrowEdema.AP	0.999999999	0.044444444
B_morphMRI_Coronal_SHOMRI_BoneMarrowEdema.FL	0.999999999	0.044444444
B_morphMRI_Sagittal_SHOMRI_BoneMarrowEdema.FP	0.999999999	0.044444444
B_PROMs_Hoos_qol_score	1	0.042460317
B_PROMs_harris_q10	1	0.037480064
B_demographic_GroupDuringRecruitment	1	0.037426901

B_morphMRI_Coronal_SHOMRI_greatertrochanter	1	0.038888889
B_morphMRI_Sagittal_SHOMRI_SubchondralCyst.FA	1	0.035087719
B_PROMs_IPAQ_ss_mdhrs_c	1	0.031578947
B_morphMRI_Axial_SHOMRI_AcetabularOvercoverage	1	0.026984127
B_morphMRI_Coronal_SHOMRI_BoneMarrowAdema.FIM	1	0.026900585
B_morphMRI_Coronal_SHOMRI_BoneMarrowEdema.FSL	1	0.022222222
B_morphMRI_Coronal_SHOMRI_insufficiencyfractures	1	0.02173913
B_morphMRI_Sagittal_SHOMRI_SubchondralCyst.FP	1	0.01754386
B_morphMRI_Axial_SHOMRI_ParalabralCyst	1	0.015204678
B_morphMRI_Axial_SHOMRI_Bump	1	0.01468254
B_morphMRI_Axial_SHOMRI_LooseBodies	1	0.009356725
B_morphMRI_Axial_SHOMRI_HerniationPit	1	0.000793651
B_PROMs_harris_q9	1	1.22E-15
B_morphMRI_Coronal_SHOMRI_subchondralcyst.FIM	1	1.11E-15
B_morphMRI_Coronal_SHOMRI_SubchondralCyst.FSL	1	1.11E-15
B_morphMRI_Coronal_SHOMRI_SubchondralCyst.FSM	1	1.11E-15
B_morphMRI_Coronal_SHOMRI_SubchondralCyst.FL	1	1.11E-15