

Supplement Data

**Table 1:** Raw Data from 20 Subjects in Control Group.

SUBJECT CODE	AGE	GENDER	HR	SDHR	MEAN NN	SDNN	HF	LF	LF/HF	MEAN PP	SDPP	CORTISOL	WCST
	(years)		(BPM)		(ms)	(ms)	(Hz)	(Hz)	(Hz)	(mmHg)	(mmHg)	(Ug/dL)	(%ctr)
C001	26	F	70.6233	5.767	0.897264	69.10113	0.437009	0.462991	0.639543	31.80856	4.910868	0.329	69
C002	24	F	65.79066	5.3097	0.898233	66.20749	0.55049	0.40051	0.271312	33.1223	3.607598	0.271	70
C003	26	M	85.40858	2.355	1.142241	68.50932	0.663971	0.336029	0.902167	43.9908	4.307508	0.213	87
C004	20	F	63.86703	6.557902	1.097294	66.31666	0.624424	0.475576	0.318039	26.47209	2.833577	0.262	90
C005	37	M	66.64838	5.082936	0.837319	66.49437	0.584877	0.415123	0.54609	26.17112	2.350638	0.225	92
C006	32	F	72.04973	2.980324	0.945333	70.24593	0.661709	0.338292	0.749761	28.22627	2.720826	0.188	89
C007	25	F	65.51028	2.994	0.956729	67.19644	0.73854	0.26146	0.394023	24.84106	0.115914	0.356	64
C008	21	F	61.77083	6.159415	0.990903	71.00621	0.70661	0.277425	0.455207	24.91688	0.162696	0.2995	46
C009	22	F	73.85259	2.500113	0.871986	75.44298	0.679892	0.29339	0.510822	25.02322	0.322752	0.243	77
C010	20	M	61.54492	8.534771	0.823552	68.67994	0.661688	0.320108	0.551286	43.71474	3.267245	0.265	90
C011	32	F	73.4	6.619427	0.782548	68.32869	0.831555	0.338312	0.242567	43.9664	2.398398	0.243	67
C012	34	M	71.85	2.7113	0.814429	65.17105	0.683774	0.168445	1.10708	29.95773	2.865005	0.221	87
C013	35	M	80.42	6.115804	0.726404	70.12877	0.625178	0.516226	0.639543	36.59945	1.882384	0.101	67
C014	36	F	89.7	6.165872	0.959392	69.49337	0.4655	0.374822	1.18823	36.19816	1.560425	0.1795	77
C015	37	F	88.46	5.960649	0.757473	67.29231	0.74384	0.5345	0.384375	38.93836	1.807217	0.258	86
C016	25	F	77.74	3.989396	0.663734	70.39447	0.636786	0.25616	0.610385	34.42475	0.570609	0.263	83
C017	28	F	78.37	5.91883	0.798856	66.20343	0.404624	0.363214	1.51143	34.52584	0.701798	0.1975	80
C018	34	F	68.65	5.900226	0.897513	67.32389	0.520448	0.595376	0.961423	34.66762	0.208501	0.132	50
C019	34	M	66.53	9.069541	0.876678	68.98138	0.737465	0.262535	0.395997	33.23969	6.554491	0.096	65
C020	32	M	87.45	9.23229	0.680577	70.58475	0.70528	0.29472	0.457877	35.34168	4.816797	0.06	56

**Table 2:** Raw Data from 20 Subjects in MDD Group

SUBJECT CODE	TYPE	AGE	GENDER	HR	SDHR	MEAN NN	SDNN	HF	LF	LF/HF	MEAN PP	SDPP	CORTISOL	WCST
		(years)		(BPM)		(ms)		(ms)		(Hz)	(Hz)			
<b>MDD001</b>	Moderate	34	Male	100.2094	22.082	0.600007	52.97838	0.285452	0.683723	2.61242	51.48396	11.56542	0.75	85.69
<b>MDD003</b>	Moderate	24	Female	94.00608	11.04298	0.640209	53.09763	0.365145	0.621951	1.898547	50.42157	9.885724	0.638667	84.69
<b>MDD004</b>	Moderate	34	Male	94.08978	12.03713	0.637004	53.92932	0.361839	0.642988	1.96417	50.65219	9.885724	0.64	47.69
<b>MDD007</b>	Severe	33	Female	102.9251	21.10614	0.583077	52.65059	0.27251	0.744215	2.678893	52.26078	12.37064	0.853333	82.69
<b>MDD008</b>	Moderate	41	Female	89.683	8.393	0.680418	55.09763	0.393865	0.580973	1.595653	49.73191	9.29594	0.542667	85.69
<b>MDD009</b>	Moderate	41	Male	101.4409	21.10614	0.589044	52.6884	0.283049	0.701513	2.678893	52.12959	11.56542	0.8	51.69
<b>MDD013</b>	Severe	40	Female	89.98518	9.9	0.6744	54.92196	0.389065	0.593317	1.75032	49.77614	9.797434	0.542667	98.69
<b>MDD014</b>	Moderate	22	Female	96.33837	16.40111	0.62906	53.97838	0.355791	0.67314	1.96417	50.96069	10.12024	0.672	36.69
<b>MDD015</b>	Moderate	35	Female	83.96518	7.009919	0.698949	56.10535	0.445193	0.549209	1.50184	<u>47.82162</u>	7.555456	0.439	58.69
<b>MDD017</b>	Mild	42	Female	82.05428	6.08	0.701038	56.92932	0.47674	0.541071	1.37891	47.64733	5.818441	0.41	72.69
<b>MDD018</b>	Moderate	43	Female	64.95774	3.008218	1.336461	63.12753	0.565869	0.458841	0.49013	42.94451	1.903315	0.343	34.69
<b>MDD021</b>	Moderate	39	Male	91.36932	10.01489	0.668231	54.84789	0.380653	0.599548	1.75728	49.85261	9.29594	0.56	55.69
<b>MDD022</b>	Mild	34	Male	84.18781	8.128752	0.694266	56.10535	0.400012	0.56249	1.551572	48.14266	8.974152	0.5	42.69
<b>MDD024</b>	Moderate	40	Male	63.81224	2.61	1.445153	67.02932	0.60168	0.329862	0.671964	41.83952	0.887803	0.325	46.69
<b>MDD025</b>	Moderate	27	Female	65.07617	3.156676	0.797899	62.97838	0.55697	0.459816	0.74578	44.1284	2.375607	0.335	69.69
<b>MDD026</b>	Moderate	27	Male	104.2635	23.111	0.550003	52.09763	0.198684	0.849268	3.03919	54.36505	13.55478	0.949333	86.69
<b>MDD027</b>	Mild	43	Female	68.01243	3.34	0.7488	63.42753	0.554611	0.489855	1.04151	44.70901	3.408658	0.358667	73.69
<b>MDD028</b>	Mild	30	Female	68.95181	4.43	0.736813	63.12753	0.545016	0.497792	1.054373	45.48193	3.477728	0.367	55.69
<b>MDD029</b>	Moderate	25	Female	104.044	22.38	0.470503	52.30119	0.202012	0.752279	2.866243	53.13307	13.55478	0.906667	47.69
<b>MDD030</b>	Moderate	25	Female	99.05418	18.06757	0.627133	52.92196	0.30626	0.676316	2.128763	50.9654	10.81274	0.673333	35.69

**Optional Table 3:** Previous Raw Data of 30 Subjects in MDD Group (Before Cut off participants of Age above 43 years old.)

SUBJECT CODE	TYPE	AGE	GENDER	HR	SDHR	MEAN NN	SDNN	HF	LF	LF/HF	MEAN PP	SDPP	CORTISOL	WCST
		(years)		(BPM)		(ms)		(ms)		(Hz)				
MDD001	Moderate	34	Male	100.2094	22.082	0.600007	52.97838	0.285452	0.683723	2.61242	51.48396	11.56542	0.75	85.69
MDD002	Moderate	75	Female	93.95274	10.16018	0.653652	54.44789	0.367208	0.619397	1.846547	50.2726	9.797434	0.6	80.69
MDD003	Moderate	24	Female	94.00608	11.04298	0.640209	53.09763	0.365145	0.621951	1.898547	50.42157	9.885724	0.638667	84.69
MDD004	Moderate	34	Male	94.08978	12.03713	0.637004	53.92932	0.361839	0.642988	1.96417	50.65219	9.885724	0.64	47.69
MDD005	Moderate	44	Female	58.03927	2.05	1.716241	69.30119	0.65736	0.329131	0.454682	41.01607	0.651657	0.3	52.69
MDD006	Mild	59	Male	87.09429	7.110644	0.668406	55.92196	0.397263	0.569987	1.551707	48.5299	9.269897	0.549333	72.69
MDD007	Severe	33	Female	102.9251	21.10614	0.583077	52.65059	0.27251	0.744215	2.678893	52.26078	12.37064	0.853333	82.69
MDD008	Moderate	41	Female	89.683	8.393	0.680418	55.09763	0.393865	0.580973	1.595653	49.73191	9.29594	0.542667	85.69
MDD009	Moderate	41	Male	101.4409	21.10614	0.589044	52.6884	0.283049	0.701513	2.678893	52.12959	11.56542	0.8	51.69
MDD010	Moderate	60	Female	77.08861	4.6	0.722577	60.65059	0.48682	0.511135	1.11878	46.65278	4.106368	0.372	37.69
MDD011	Moderate	47	Female	80.13634	6.058379	0.702592	56.92932	0.478517	0.540803	1.33991	47.69736	5.557777	0.392	70.69
MDD012	Mild	54	Female	77.51854	5.054708	0.713502	58.6884	0.486055	0.52073	1.15174	46.72263	4.184179	0.377333	42.69
MDD013	Severe	40	Female	89.98518	9.9	0.6744	54.92196	0.389065	0.593317	1.75032	49.77614	9.797434	0.542667	98.69
MDD014	Moderate	22	Female	96.33837	16.40111	0.62906	53.97838	0.355791	0.67314	1.96417	50.96069	10.12024	0.672	36.69
MDD015	Moderate	35	Female	83.96518	7.009919	0.698949	56.10535	0.445193	0.549209	1.50184	47.82162	7.555456	0.439	58.69
MDD016	Mild	53	Female	64.01183	2.196754	1.002075	66.10535	0.575138	0.45768	0.458973	42.26418	2.112088	0.34	82.69
MDD017	Mild	42	Female	82.05428	6.08	0.701038	56.92932	0.47674	0.541071	1.37891	47.64733	5.818441	0.41	72.69
MDD018	Moderate	43	Female	64.95774	3.008218	1.336461	63.12753	0.565869	0.458841	0.49013	42.94451	1.903315	0.343	34.69
MDD019	Moderate	51	Female	83.05428	7.047828	0.699156	56.84789	0.416936	0.543161	1.44868	47.9655	7.934373	0.465	76.69
MDD020	Mild	48	Female	76.45083	4.102423	0.726826	61.22394	0.494119	0.504988	1.08138	46.36796	3.760119	0.367	88.69
MDD021	Moderate	39	Male	91.36932	10.01489	0.668231	54.84789	0.380653	0.599548	1.75728	49.85261	9.29594	0.56	55.69
MDD022	Mild	34	Male	84.18781	8.128752	0.694266	56.10535	0.400012	0.56249	1.551572	48.14266	8.974152	0.5	42.69
MDD023	Mild	45	Male	79.51354	5.241433	0.705183	58.6884	0.48427	0.52826	1.32503	46.8755	4.424176	0.379	73.69
MDD024	Moderate	40	Male	63.81224	2.61	1.445153	67.02932	0.60168	0.329862	0.671964	41.83952	0.887803	0.325	46.69
MDD025	Moderate	27	Female	65.07617	3.156676	0.797899	62.97838	0.55697	0.459816	0.74578	44.1284	2.375607	0.335	69.69
MDD026	Moderate	27	Male	104.2635	23.111	0.550003	52.09763	0.198684	0.849268	3.03919	54.36505	13.55478	0.949333	86.69
MDD027	Mild	43	Female	68.01243	3.34	0.7488	63.42753	0.554611	0.489855	1.04151	44.70901	3.408658	0.358667	73.69
MDD028	Mild	30	Female	68.95181	4.43	0.736813	63.12753	0.545016	0.497792	1.054373	45.48193	3.477728	0.367	55.69
MDD029	Moderate	25	Female	104.044	22.38	0.470503	52.30119	0.202012	0.752279	2.866243	53.13307	13.55478	0.906667	47.69
MDD030	Moderate	25	Female	99.05418	18.06757	0.627133	52.92196	0.30626	0.676316	2.128763	50.9654	10.81274	0.673333	35.69