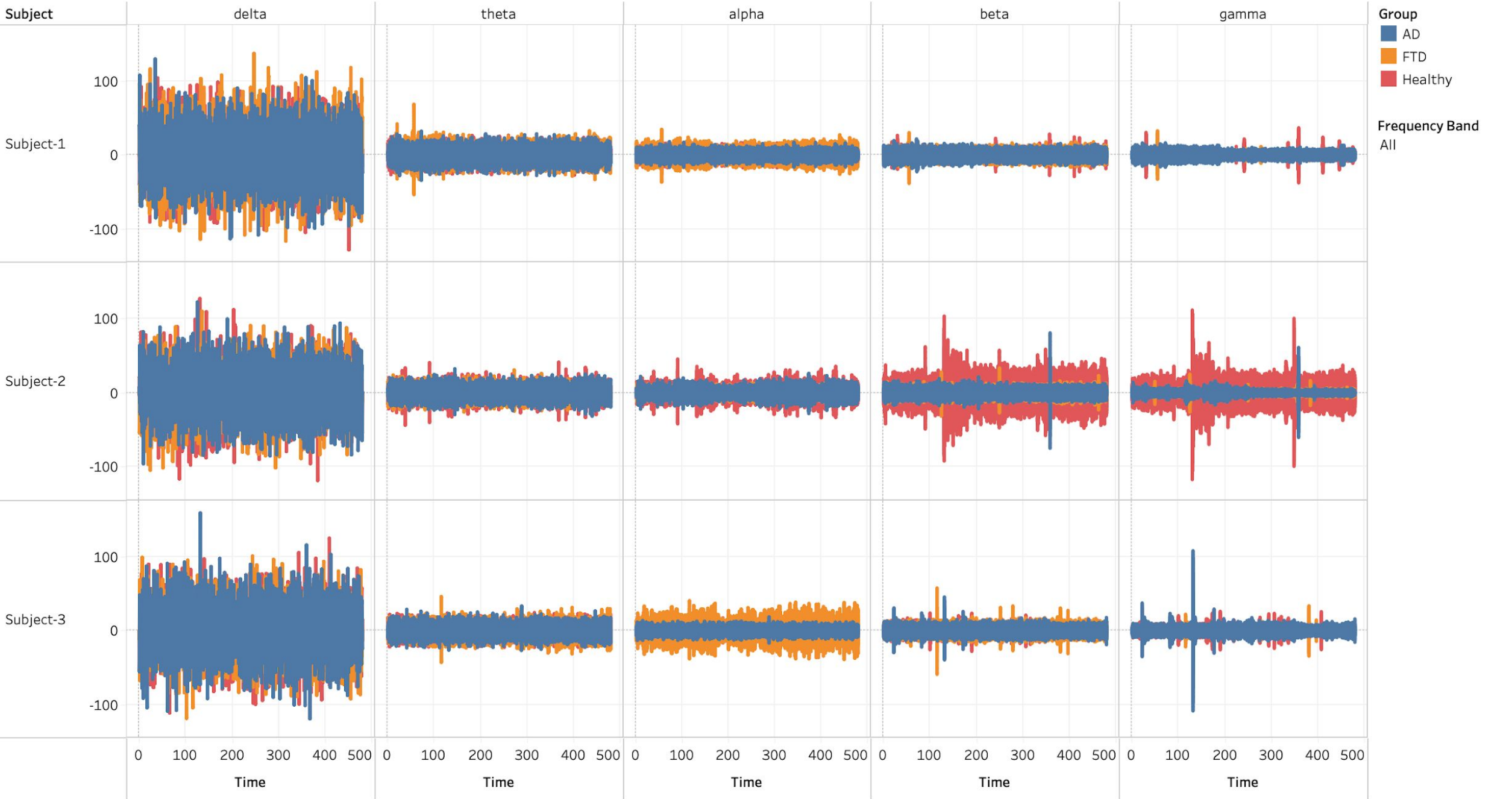


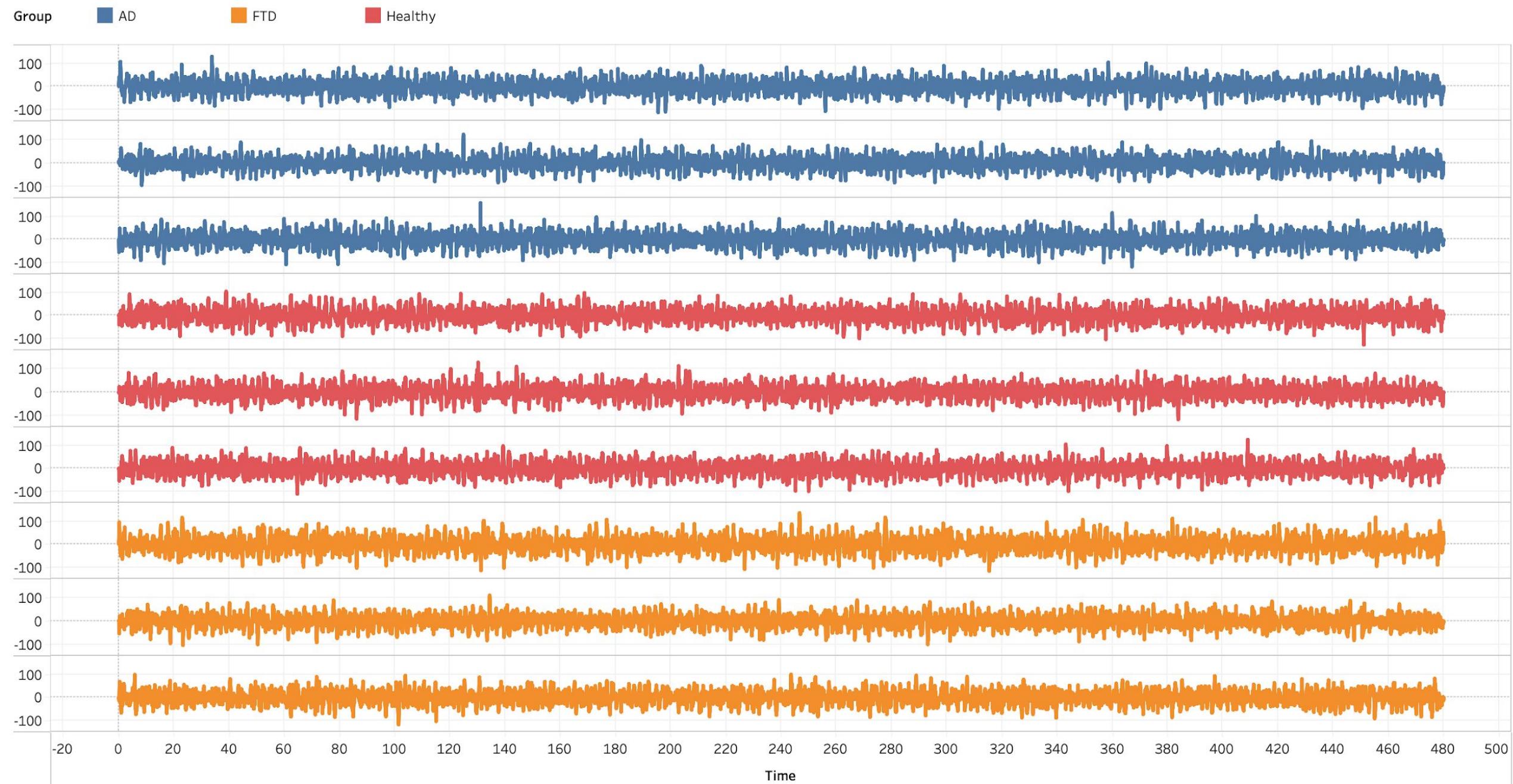
Comparison EEG Signals by Group

**Alzheimer's Disease, Frontotemporal Dementia, and Healthy Subjects
(3 samples per group)**

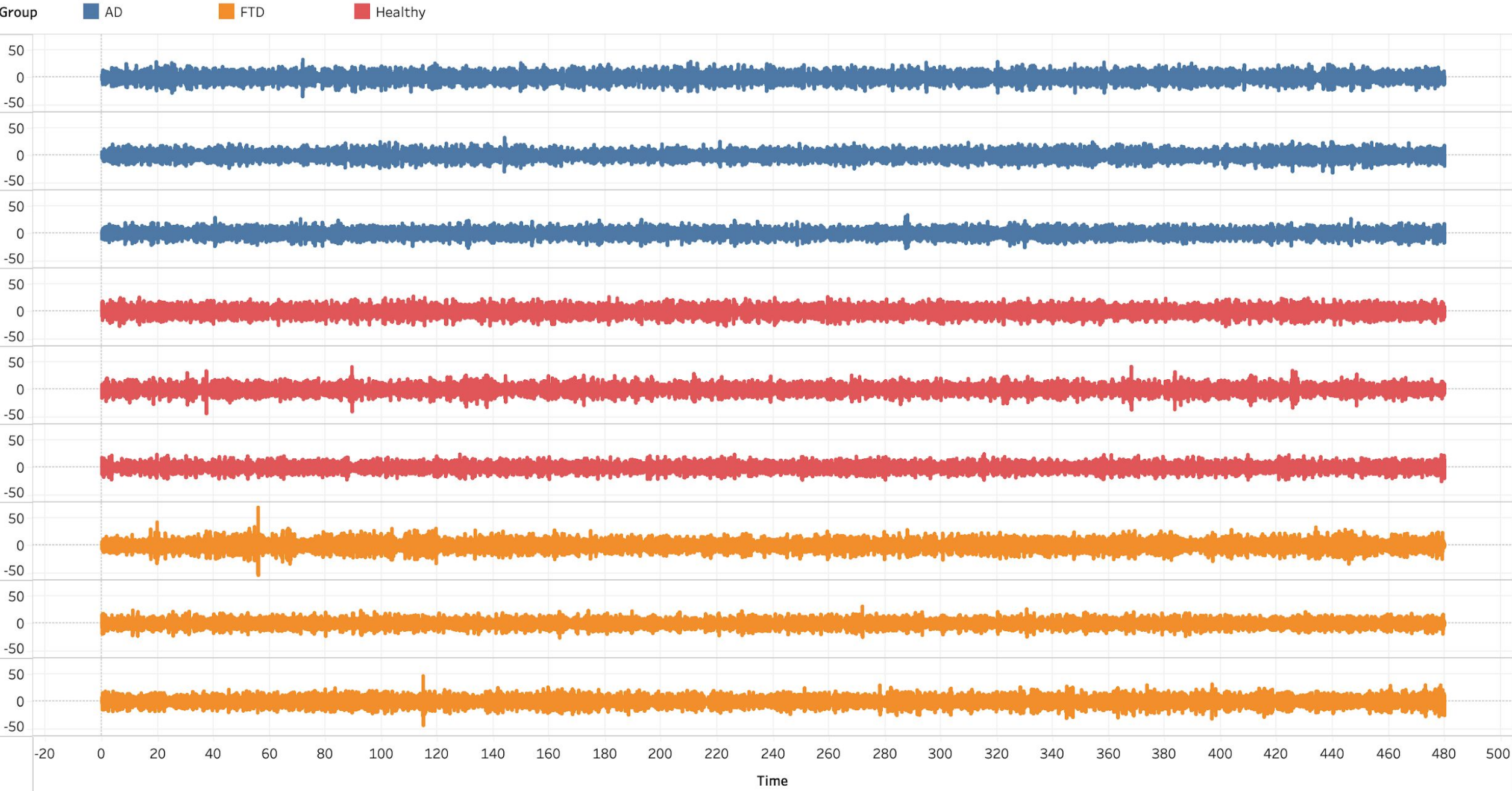
Groups Comparison



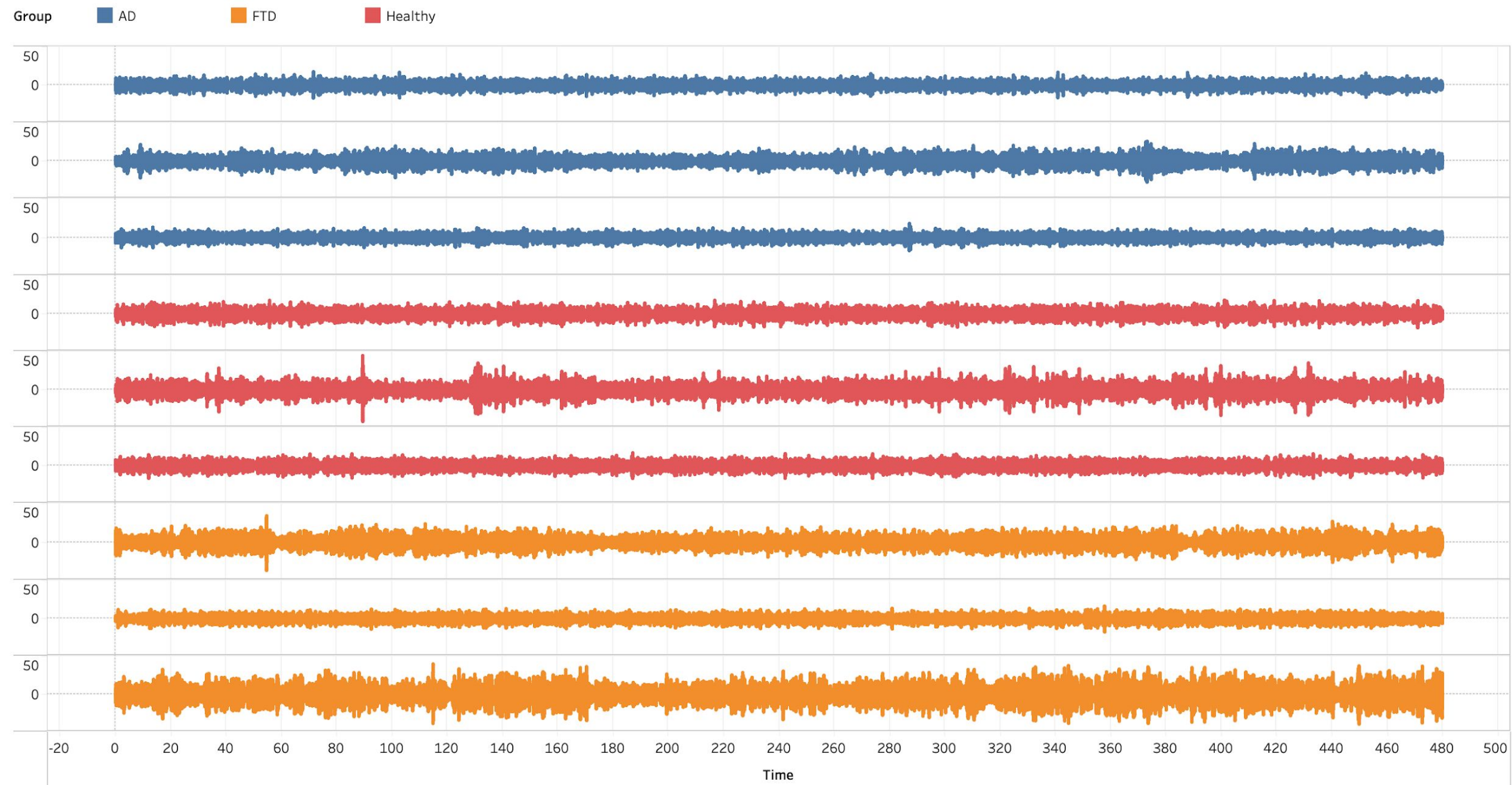
Delta



Theta



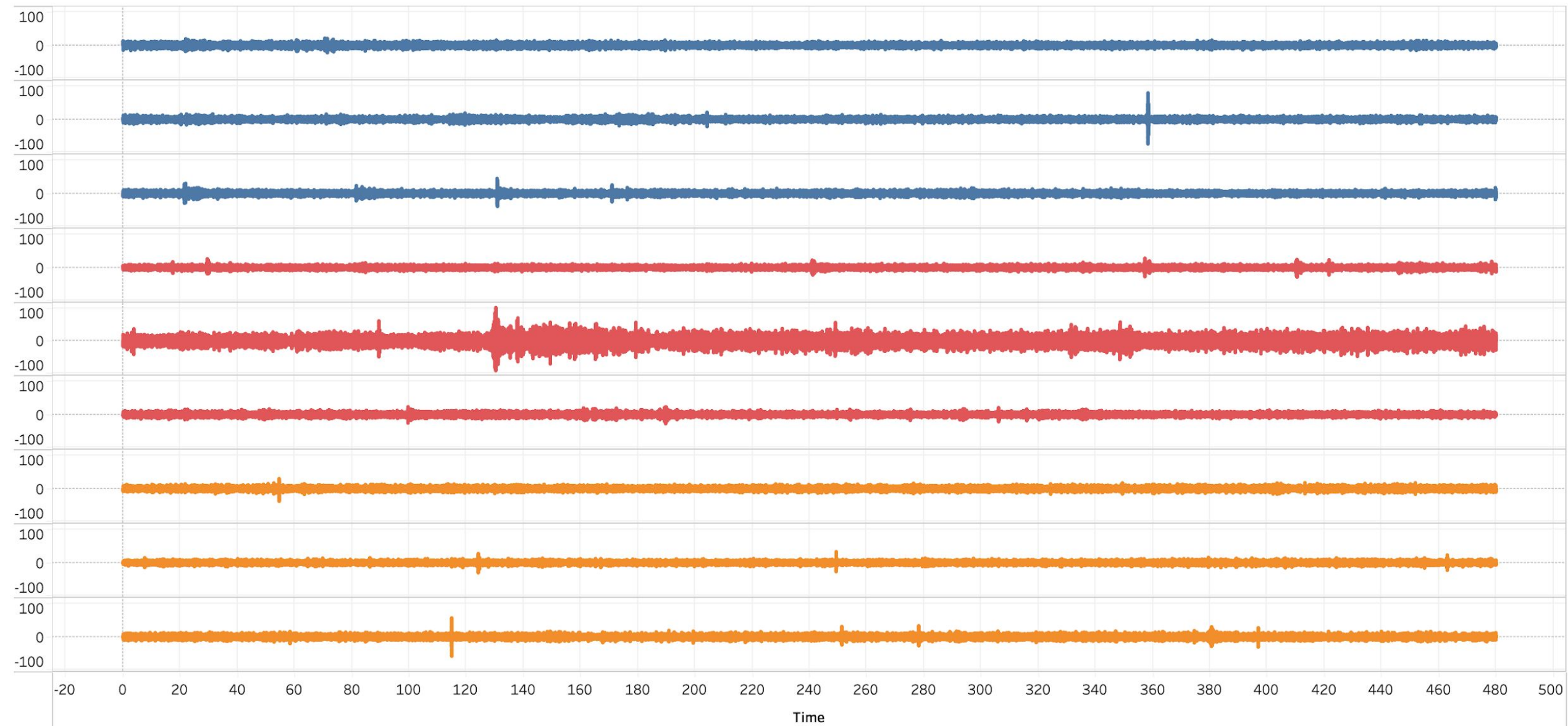
Alpha



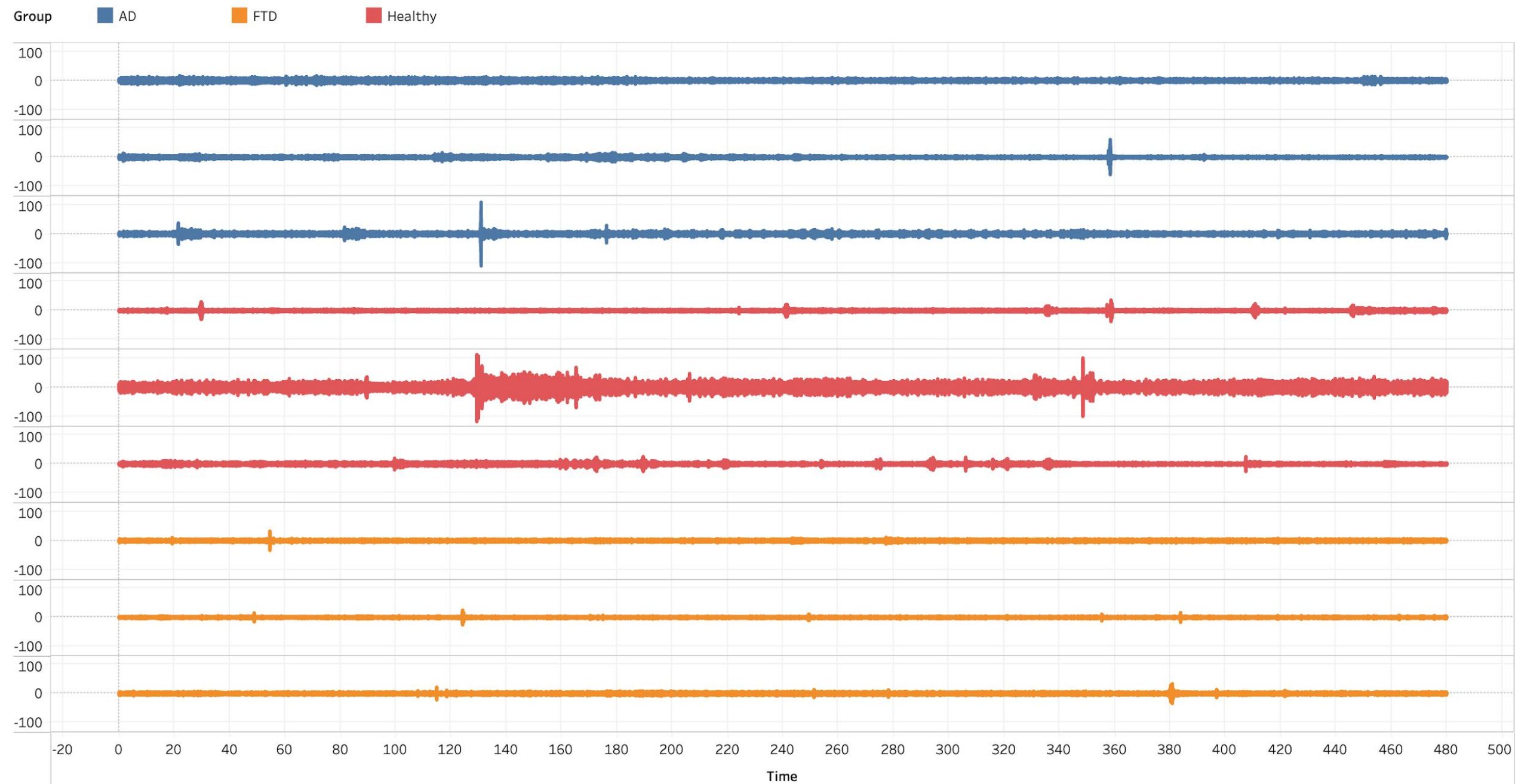
Beta

Group ■ AD ■ FTD ■ Healthy

Beta (13 - 30Hz)



Gamma



Data Summary																
		Frequency Band / Group														
		alpha			beta			delta			gamma			theta		
		AD	FTD	Healthy	AD	FTD	Healthy	AD	FTD	Healthy	AD	FTD	Healthy	AD	FTD	Healthy
Subject-1	Fp1	-32	-18	-30	68	-104	-40	-4,105	8,854	-9,415	-8	-6	4	-212	105	319
	Total Abs Fp1	717,691	1,240,670	891,322	746,320	755,921	644,107	5,643,559	6,193,642	5,649,288	583,438	362,549	332,516	1,406,944	1,496,524	1,412,742
	Avg. Fp1	-0.00014	-0.00008	-0.00013	0.00028	-0.00043	-0.00017	-0.01710	0.03689	-0.03923	-0.00003	-0.00002	0.00002	-0.00088	0.00044	0.00133
	Max. Fp1	17.96	34.56	18.32	21.70	30.25	28.18	129.80	137.17	104.15	16.44	32.67	36.75	32.18	68.46	27.34
	Min. Fp1	-16.92	-36.77	-18.16	-22.72	-38.59	-29.23	-113.25	-116.40	-128.33	-16.70	-32.93	-37.86	-34.37	-53.70	-27.20
	Std. dev. of Fp1	3.77	6.45	4.65	3.93	3.97	3.44	29.46	32.52	29.66	3.11	1.92	2.01	7.39	7.91	7.38
	Variance of Fp1	14.20	41.57	21.63	15.42	15.77	11.86	868.18	1,057.81	879.64	9.67	3.69	4.02	54.64	62.51	54.45
	Fp1 Peak	35	71	36	44	69	57	243	254	232	33	66	75	67	122	55
Subject-2	Fp1	53	7	-52	42	-19	-4	-7,396	-11,083	-13,288	0	-1	72	-106	-60	-178
	Total Abs Fp1	1,017,593	698,991	1,145,215	701,621	632,621	2,045,873	5,234,800	5,100,931	5,431,902	376,524	276,359	1,666,471	1,293,269	1,173,419	1,329,046
	Avg. Fp1	0.00022	0.00003	-0.00022	0.00017	-0.00008	-0.00002	-0.03082	-0.04618	-0.05537	0.00000	-0.00001	0.00030	-0.00044	-0.00025	-0.00074
	Max. Fp1	26.21	16.75	45.50	80.74	33.30	103.27	122.16	109.89	126.96	60.92	24.99	111.43	32.27	30.82	41.16
	Min. Fp1	-27.79	-17.56	-41.73	-74.54	-30.77	-91.78	-95.41	-104.12	-117.96	-60.15	-25.86	-116.78	-31.40	-25.78	-43.48
	Std. dev. of Fp1	5.41	3.66	6.17	3.77	3.35	11.02	27.50	26.87	28.53	2.19	1.50	9.18	6.77	6.13	7.07
	Variance of Fp1	29.24	13.42	38.02	14.24	11.23	121.54	756.49	722.07	813.91	4.80	2.25	84.32	45.87	37.62	50.04
	Fp1 Peak	54	34	87	155	64	195	218	214	245	121	51	228	64	57	85
Subject-3	Fp1	-69	-224	13	-99	39	-32	-955	-12,203	-361	-15	4	10	-391	-434	443
	Total Abs Fp1	654,096	1,905,954	782,319	732,606	815,836	728,045	5,750,386	5,449,089	5,408,302	585,635	399,856	467,253	1,222,255	1,346,121	1,206,643
	Avg. Fp1	-0.00029	-0.00093	0.00005	-0.00041	0.00016	-0.00013	-0.00398	-0.05085	-0.00151	-0.00006	0.00002	0.00004	-0.00163	-0.00181	0.00185
	Max. Fp1	18.44	40.44	17.11	45.43	57.52	23.76	159.24	100.66	124.94	108.03	33.46	26.02	33.28	45.92	24.26
	Min. Fp1	-16.91	-39.10	-16.70	-39.74	-59.13	-28.08	-119.15	-118.62	-111.23	-108.67	-34.58	-26.15	-26.83	-42.98	-25.36
	Std. dev. of Fp1	3.43	10.01	4.09	3.90	4.33	3.86	30.16	28.54	28.38	3.31	2.17	2.65	6.42	7.10	6.32
	Variance of Fp1	11.74	100.19	16.71	15.20	18.76	14.90	909.71	814.31	805.49	10.98	4.73	7.01	41.16	50.39	39.96
	Fp1 Peak	35	80	34	85	117	52	278	219	236	217	68	52	60	89	50

Note: This is only a small exploration of the metrics from the Signal, to get the Total Power and the rest of metrics in a signal, it is required to apply different alternative methods to the time series such as Power Spectral Density (Frequency Domain), Sum of Squares, Integral of Squares, and among others.