

**Supplementary Table 4.** Statistical features of MFCC coefficients among target voice features which showed significant associations with the total olanzapine equivalent dose regarding 1-16 sentences

TVF	Coefficient #	Statistical feature	$\beta$	SE	df	t	p
MFCC	1	mean	-4.97	0.63	289.16	-7.82	<0.001
		first_derivative_std	-0.15	0.06	308.02	-2.58	0.01
		first_quartile	-3.79	0.63	125.80	-6.03	<0.001
		second_quartile	-4.94	0.66	274.32	-7.43	<0.001
		third_quartile	-5.46	0.69	371.58	-7.88	<0.001
		percentile_1	-4.33	0.53	198.41	-8.20	<0.001
		percentile_99	-5.86	0.78	413.66	-7.51	<0.001
		linear_regression_offset	-3.57	0.73	197.21	-4.89	<0.001
	2	first_quartile	0.57	0.22	182.55	2.61	0.01
	3	first_derivative_std	-0.06	0.02	325.28	-2.56	0.01
	5	percentile_99	-0.80	0.17	287.00	-2.88	0.00
	6	first_quartile	0.20	0.10	217.31	2.02	0.04
	7	std	-0.10	0.04	248.70	-2.45	0.02
		percentile_1_99_range	-0.35	0.16	203.48	-2.10	0.04
		linear_regression_mse	-3.60	1.33	230.04	-2.71	0.01
8	mean	-0.37	0.12	270.56	-3.36	<0.001	
	first_derivative_std	-0.03	0.01	284.41	-3.20	0.00	

	second_derivative_std	-0.02	0.01	209.16	-2.10	0.04
	first_quartile	-0.22	0.11	229.14	-2.09	0.04
	second_quartile	-0.35	0.11	261.72	-3.23	0.00
	third_quartile	-0.49	0.11	295.61	-4.30	<0.001
	percentile_99	-0.67	0.14	243.08	-4.67	<0.001
	linear_regression_offset	-0.31	0.13	186.72	-2.37	0.02
	linear_regression_mse	-3.11	0.57	120.51	-5.50	<0.002
9	std	-0.12	0.03	192.67	-4.09	<0.001
	q3_q1_range	-0.13	0.05	122.18	-2.92	0.00
	percentile_1_99_range	-0.40	0.11	122.42	-3.62	0.00
	linear_regression_mse	-2.13	0.56	216.03	-3.82	0.00
11	first_derivative_std	-0.02	0.01	159.03	-2.98	0.00
	second_derivative_std	-0.02	0.01	133.37	-2.30	0.02
	q3_q1_range	-0.12	0.04	62.26	-3.32	0.00
12	std	-0.09	0.02	253.95	-4.02	<0.001
	first_derivative_std	-0.02	0.01	208.21	-2.99	0.00
	mean	0.75	0.07	373.19	10.32	<0.001
	second_derivative_std	-0.02	0.01	142.50	-2.40	0.02
	first_quartile	0.86	0.08	426.52	10.52	<0.001
	second_quartile	0.77	0.08	370.82	10.27	<0.001

third_quartile	0.65	0.07	232.03	9.05	<0.001
q2_q1_range	-0.05	0.02	98.60	-2.20	0.03
q3_q2_range	-0.06	0.03	149.22	-2.37	0.02
q3_q1_range	-0.12	0.04	180.83	-2.88	0.00
percentile_99	0.46	0.08	102.31	5.81	<0.001
percentile_1_99_range	-0.25	0.09	150.51	-2.61	0.01
linear_regression_offset	0.78	0.10	179.71	7.84	<0.001
linear_regression_mse	-1.47	0.44	253.05	-3.35	0.00

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Abbreviations: mfcc-mel frequency cepstral coefficients