

θ-δ ratio

Variable	Group Values	No ND (n=14)	ND (n=9)	Test Results	Equal Var
θ-δ ratio, mean	0.108 (0.010)	0.125 (0.012)	0.081 (0.015)	p = 0.029 (t = -2.346, R² = 0.293)	-
θ-δ ratio, median	0.101 (0.010)	0.118 (0.011)	0.075 (0.014)	p = 0.028 (t = -2.368, R² = 0.260)	-
θ-δ ratio, STDEV	0.055 (0.006)	0.064 (0.007)	0.040 (0.008)	p = 0.036 (t = -2.252, R² = 0.421)	-
θ-δ ratio, IQR	0.066 (0.007)	0.075 (0.009)	0.054 (0.011)	p = 0.141 (t = -1.531, R² = 0.240)	-
θ-δ ratio, Theil-Sen slope	-0.007 (0.041)	-0.002 (0.055)	-0.016 (0.069)	p = 0.875 (t = -0.160, R² = 0.016)	-
θ-δ ratio, RMSE for Theil-Sen line of best fit	0.051 (0.006)	0.059 (0.007)	0.038 (0.009)	p = 0.075 (t = -1.879, R² = 0.375)	-
θ-δ ratio, Mann-Kendall τ value	-0.042 (0.064)	-0.009 (0.085)	-0.093 (0.107)	p = 0.549 (t = -0.610, R² = 0.147)	-

# Absolute $\theta$ power

Variable	Group Values	No ND (n=14)	ND (n=9)	Test Results	Equal Var
Absolute $\theta$ power, mean	23.184 (3.562)	23.759 (4.804)	22.288 (6.005)	p = 0.851 (t = -0.190, R <sup>2</sup> = 0.025)	-
Absolute $\theta$ power, median	20.151 (3.477)	20.041 (4.693)	20.322 (5.866)	p = 0.971 (t = 0.037, R <sup>2</sup> = 0.075)	-
Absolute $\theta$ power, STDEV	12.624 (1.990)	14.537 (2.596)	9.647 (3.245)	p = 0.255 (t = -1.171, R <sup>2</sup> = 0.140)	-
Absolute $\theta$ power, IQR	12.573 (1.665)	14.166 (2.174)	10.096 (2.717)	p = 0.258 (t = -1.164, R <sup>2</sup> = 0.103)	-
Absolute $\theta$ power, Theil-Sen slope	11.846 (13.652)	22.767 (18.006)	-5.143 (22.508)	p = 0.347 (t = -0.964, R <sup>2</sup> = 0.050)	-
Absolute $\theta$ power, RMSE for Theil-Sen line of best fit	11.191 (1.928)	12.632 (2.551)	8.951 (3.189)	p = 0.380 (t = -0.897, R <sup>2</sup> = 0.137)	-
Absolute $\theta$ power, Mann-Kendall $\tau$ value	-0.037 (0.086)	-0.039 (0.116)	-0.035 (0.144)	p = 0.981 (t = 0.024, R <sup>2</sup> = 0.024)	-

# Relative $\theta$ power

Variable	Group Values	No ND (n=14)	ND (n=9)	Test Results	Equal Var
Relative $\theta$ power, mean	0.083 (0.006)	0.094 (0.008)	0.065 (0.010)	p = 0.029 (t = -2.355, R <sup>2</sup> = 0.286)	-
Relative $\theta$ power, median	0.082 (0.007)	0.094 (0.008)	0.063 (0.010)	p = 0.028 (t = -2.363, R <sup>2</sup> = 0.264)	-
Relative $\theta$ power, STDEV	0.034 (0.002)	0.038 (0.003)	0.028 (0.004)	p = 0.058 (t = -2.011, R <sup>2</sup> = 0.386)	-
Relative $\theta$ power, IQR	0.044 (0.004)	0.047 (0.005)	0.039 (0.006)	p = 0.356 (t = -0.946, R <sup>2</sup> = 0.196)	-
Relative $\theta$ power, Theil-Sen slope	-0.006 (0.028)	0.002 (0.038)	-0.019 (0.047)	p = 0.739 (t = -0.338, R <sup>2</sup> = 0.020)	-
Relative $\theta$ power, RMSE for Theil-Sen line of best fit	0.031 (0.002)	0.034 (0.003)	0.026 (0.004)	p = 0.136 (t = -1.553, R <sup>2</sup> = 0.337)	-
Relative $\theta$ power, Mann-Kendall $\tau$ value	-0.058 (0.061)	-0.023 (0.082)	-0.114 (0.102)	p = 0.497 (t = -0.692, R <sup>2</sup> = 0.179)	-

# $\theta$ band higuchi fractal dimension

Variable	Group Values	No ND (n=14)	ND (n=9)	Test Results	Equal Var
$\theta$ band higuchi fractal dimension, mean	1.051 (3.869e-04)	1.051 (5.201e-04)	1.052 (6.502e-04)	p = 0.690 (t = 0.405, R <sup>2</sup> = 0.168)	-
$\theta$ band higuchi fractal dimension, median	1.051 (3.346e-04)	1.051 (4.499e-04)	1.052 (5.624e-04)	p = 0.703 (t = 0.386, R <sup>2</sup> = 0.098)	-
$\theta$ band higuchi fractal dimension, STDEV	0.002 (1.876e-04)	0.002 (2.480e-04)	0.002 (3.100e-04)	p = 0.372 (t = -0.913, R <sup>2</sup> = 0.134)	-
$\theta$ band higuchi fractal dimension, IQR	0.003 (2.765e-04)	0.003 (3.713e-04)	0.003 (4.641e-04)	p = 0.662 (t = -0.443, R <sup>2</sup> = 0.184)	-
$\theta$ band higuchi fractal dimension, Theil-Sen slope	-0.003 (0.002)	-0.004 (0.003)	-0.002 (0.003)	p = 0.650 (t = 0.461, R <sup>2</sup> = 0.027)	-
$\theta$ band higuchi fractal dimension, RMSE for Theil-Sen line of best fit	0.002 (1.740e-04)	0.002 (2.324e-04)	0.002 (2.905e-04)	p = 0.524 (t = -0.648, R <sup>2</sup> = 0.112)	-
$\theta$ band higuchi fractal dimension, Mann-Kendall $\tau$ value	-0.026 (0.053)	0.019 (0.070)	-0.097 (0.087)	p = 0.313 (t = -1.034, R <sup>2</sup> = 0.143)	-

θ band shannon entropy

Variable	Group Values	No ND (n=14)	ND (n=9)	Test Results	Equal Var
θ band shannon entropy, mean	0.941 (0.006)	0.940 (0.008)	0.943 (0.010)	p = 0.848 (t = 0.195, R² = 0.189)	-
θ band shannon entropy, median	0.950 (0.005)	0.950 (0.007)	0.950 (0.009)	p = 0.991 (t = 0.012, R² = 0.124)	-
θ band shannon entropy, STDEV	0.034 (0.004)	0.035 (0.005)	0.034 (0.007)	p = 0.896 (t = -0.132, R² = 0.247)	-
θ band shannon entropy, IQR	0.041 (0.005)	0.039 (0.006)	0.042 (0.008)	p = 0.772 (t = 0.293, R² = 0.271)	-
θ band shannon entropy, Theil-Sen slope	-0.034 (0.016)	-0.033 (0.021)	-0.036 (0.026)	p = 0.929 (t = -0.090, R² = 0.007)	-
θ band shannon entropy, RMSE for Theil-Sen line of best fit	0.033 (0.004)	0.033 (0.005)	0.032 (0.006)	p = 0.911 (t = -0.113, R² = 0.247)	-
θ band shannon entropy, Mann-Kendall τ value	-0.071 (0.047)	0.009 (0.057)	-0.195 (0.071)	p = 0.037 (t = -2.234, R² = 0.275)	-

θ band spectral difference

Variable	Group Values	No ND (n=14)	ND (n=9)	Test Results	Equal Var
θ band spectral difference, mean	0.007 (0.001)	0.007 (0.002)	0.008 (0.002)	p = 0.660 (t = 0.447, R² = 0.147)	-
θ band spectral difference, median	0.006 (0.001)	0.005 (0.002)	0.007 (0.002)	p = 0.587 (t = 0.551, R² = 0.116)	-
θ band spectral difference, STDEV	0.006 (7.031e-04)	0.006 (9.440e-04)	0.006 (0.001)	p = 0.651 (t = 0.459, R² = 0.221)	-
θ band spectral difference, IQR	0.006 (0.001)	0.005 (0.001)	0.008 (0.002)	p = 0.263 (t = 1.152, R² = 0.220)	-
θ band spectral difference, Theil-Sen slope	0.003 (0.004)	0.008 (0.005)	-0.005 (0.006)	p = 0.102 (t = -1.716, R² = 0.140)	-
θ band spectral difference, RMSE for Theil-Sen line of best fit	0.006 (6.716e-04)	0.006 (9.041e-04)	0.006 (0.001)	p = 0.749 (t = 0.324, R² = 0.221)	-
θ band spectral difference, Mann-Kendall τ value	0.007 (0.042)	0.071 (0.051)	-0.093 (0.064)	p = 0.062 (t = -1.980, R² = 0.192)	-

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# $\theta$ band envelope mean value

Variable	Group Values	No ND (n=14)	ND (n=9)	Test Results	Equal Var
$\theta$ band envelope mean value, mean	41.131 (6.292)	42.088 (8.486)	39.643 (10.608)	$p = 0.860$ ( $t = -0.179$ , $R^2 = 0.024$ )	-
$\theta$ band envelope mean value, median	35.778 (6.110)	35.514 (8.247)	36.190 (10.309)	$p = 0.960$ ( $t = 0.051$ , $R^2 = 0.072$ )	-
$\theta$ band envelope mean value, STDEV	22.367 (3.496)	25.620 (4.572)	17.306 (5.715)	$p = 0.272$ ( $t = -1.131$ , $R^2 = 0.136$ )	-
$\theta$ band envelope mean value, IQR	22.247 (2.946)	25.099 (3.843)	17.810 (4.803)	$p = 0.252$ ( $t = -1.179$ , $R^2 = 0.103$ )	-
$\theta$ band envelope mean value, Theil-Sen slope	20.274 (23.551)	39.318 (31.046)	-9.349 (38.808)	$p = 0.341$ ( $t = -0.974$ , $R^2 = 0.051$ )	-
$\theta$ band envelope mean value, RMSE for Theil-Sen line of best fit	19.787 (3.380)	22.176 (4.481)	16.070 (5.601)	$p = 0.407$ ( $t = -0.847$ , $R^2 = 0.131$ )	-
$\theta$ band envelope mean value, Mann-Kendall $\tau$ value	-0.036 (0.086)	-0.039 (0.116)	-0.032 (0.145)	$p = 0.972$ ( $t = 0.035$ , $R^2 = 0.023$ )	-



# $\theta$ band envelope standard deviation

Variable	Group Values	No ND (n=14)	ND (n=9)	Test Results	Equal Var
$\theta$ band envelope standard deviation, mean	73.380 (9.333)	75.928 (12.564)	69.416 (15.706)	$p = 0.751$ ( $t = -0.322$ , $R^2 = 0.011$ )	-
$\theta$ band envelope standard deviation, median	51.878 (7.156)	54.195 (9.623)	48.275 (12.029)	$p = 0.706$ ( $t = -0.382$ , $R^2 = 0.038$ )	-
$\theta$ band envelope standard deviation, STDEV	71.743 (11.349)	76.642 (15.217)	64.124 (19.022)	$p = 0.615$ ( $t = -0.511$ , $R^2 = 0.107$ )	-
$\theta$ band envelope standard deviation, IQR	50.900 (7.851)	55.400 (10.473)	43.900 (13.091)	$p = 0.503$ ( $t = -0.683$ , $R^2 = 0.149$ )	-
$\theta$ band envelope standard deviation, Theil-Sen slope	17.487 (22.408)	33.698 (29.682)	-7.729 (37.103)	$p = 0.396$ ( $t = -0.868$ , $R^2 = 0.038$ )	-
$\theta$ band envelope standard deviation, RMSE for Theil-Sen line of best fit	71.537 (12.058)	75.270 (16.220)	65.730 (20.276)	$p = 0.719$ ( $t = -0.366$ , $R^2 = 0.104$ )	-
$\theta$ band envelope standard deviation, Mann-Kendall $\tau$ value	-0.028 (0.075)	-0.047 (0.102)	0.001 (0.127)	$p = 0.772$ ( $t = 0.294$ , $R^2 = 0.017$ )	-

θ band kurtosis

Variable	Group Values	No ND (n=14)	ND (n=9)	Test Results	Equal Var
θ band kurtosis, mean	10.584 (1.422)	10.642 (1.920)	10.494 (2.400)	p = 0.962 (t = -0.048, R² = 0.165)	-
θ band kurtosis, median	7.125 (0.787)	7.211 (1.062)	6.993 (1.327)	p = 0.900 (t = -0.128, R² = 0.109)	-
θ band kurtosis, STDEV	10.628 (1.711)	10.542 (2.310)	10.763 (2.887)	p = 0.953 (t = 0.059, R² = 0.252)	-
θ band kurtosis, IQR	6.441 (1.461)	6.897 (1.965)	5.732 (2.457)	p = 0.716 (t = -0.369, R² = 0.065)	-
θ band kurtosis, Theil-Sen slope	-0.319 (0.615)	-0.733 (0.816)	0.325 (1.020)	p = 0.430 (t = 0.806, R² = 0.031)	-
θ band kurtosis, RMSE for Theil-Sen line of best fit	11.129 (1.838)	11.040 (2.481)	11.267 (3.101)	p = 0.955 (t = 0.057, R² = 0.248)	-
θ band kurtosis, Mann-Kendall τ value	-0.014 (0.042)	-0.041 (0.056)	0.029 (0.070)	p = 0.444 (t = 0.781, R² = 0.034)	-

# Mean $\theta$ band power

Variable	Group Values	No ND (n=14)	ND (n=9)	Test Results	Equal Var
Mean $\theta$ band power, mean	20.566 (3.146)	21.044 (4.243)	19.822 (5.304)	$p = 0.860$ ( $t = -0.179$ , $R^2 = 0.024$ )	-
Mean $\theta$ band power, median	17.889 (3.055)	17.757 (4.123)	18.095 (5.154)	$p = 0.960$ ( $t = 0.051$ , $R^2 = 0.072$ )	-
Mean $\theta$ band power, STDEV	11.183 (1.748)	12.810 (2.286)	8.653 (2.857)	$p = 0.272$ ( $t = -1.131$ , $R^2 = 0.136$ )	-
Mean $\theta$ band power, IQR	11.123 (1.473)	12.550 (1.921)	8.905 (2.402)	$p = 0.252$ ( $t = -1.179$ , $R^2 = 0.103$ )	-
Mean $\theta$ band power, Theil-Sen slope	10.137 (11.776)	19.659 (15.523)	-4.674 (19.404)	$p = 0.341$ ( $t = -0.974$ , $R^2 = 0.051$ )	-
Mean $\theta$ band power, RMSE for Theil-Sen line of best fit	9.893 (1.690)	11.088 (2.241)	8.035 (2.801)	$p = 0.407$ ( $t = -0.847$ , $R^2 = 0.131$ )	-
Mean $\theta$ band power, Mann-Kendall $\tau$ value	-0.036 (0.086)	-0.039 (0.116)	-0.032 (0.145)	$p = 0.972$ ( $t = 0.035$ , $R^2 = 0.023$ )	-

# Standard deviation of $\theta$ band power

Variable	Group Values	No ND (n=14)	ND (n=9)	Test Results	Equal Var
Standard deviation of $\theta$ band power, mean	3.975 (0.379)	3.998 (0.512)	3.939 (0.640)	$p = 0.944$ ( $t = -0.071$ , $R^2 = 0.028$ )	-
Standard deviation of $\theta$ band power, median	3.787 (0.392)	3.799 (0.529)	3.769 (0.661)	$p = 0.972$ ( $t = -0.035$ , $R^2 = 0.048$ )	-
Standard deviation of $\theta$ band power, STDEV	1.139 (0.086)	1.242 (0.111)	0.979 (0.138)	$p = 0.154$ ( $t = -1.481$ , $R^2 = 0.386$ )	-
Standard deviation of $\theta$ band power, IQR	1.422 (0.124)	1.550 (0.161)	1.222 (0.201)	$p = 0.219$ ( $t = -1.268$ , $R^2 = 0.359$ )	-
Standard deviation of $\theta$ band power, Theil-Sen slope	0.922 (1.005)	1.717 (1.326)	-0.315 (1.658)	$p = 0.352$ ( $t = -0.952$ , $R^2 = 0.048$ )	-
Standard deviation of $\theta$ band power, RMSE for Theil-Sen line of best fit	0.967 (0.087)	1.022 (0.116)	0.881 (0.145)	$p = 0.459$ ( $t = -0.755$ , $R^2 = 0.311$ )	-
Standard deviation of $\theta$ band power, Mann-Kendall $\tau$ value	-0.036 (0.086)	-0.039 (0.116)	-0.032 (0.145)	$p = 0.972$ ( $t = 0.035$ , $R^2 = 0.023$ )	-

# $\theta$ band rEEG proportion between 0 and 10 uv

Variable	Group Values	No ND (n=14)	ND (n=9)	Test Results	Equal Var
$\theta$ band rEEG proportion between 0 and 10 uv, mean	0.482 (0.072)	0.514 (0.097)	0.433 (0.121)	$p = 0.612$ ( $t = -0.515$ , $R^2 = 0.096$ )	-
$\theta$ band rEEG proportion between 0 and 10 uv, median	0.496 (0.078)	0.531 (0.105)	0.441 (0.131)	$p = 0.600$ ( $t = -0.533$ , $R^2 = 0.097$ )	-
$\theta$ band rEEG proportion between 0 and 10 uv, STDEV	0.132 (0.013)	0.139 (0.018)	0.121 (0.022)	$p = 0.537$ ( $t = -0.628$ , $R^2 = 0.121$ )	-
$\theta$ band rEEG proportion between 0 and 10 uv, IQR	0.166 (0.024)	0.180 (0.032)	0.145 (0.041)	$p = 0.514$ ( $t = -0.664$ , $R^2 = 0.159$ )	-
$\theta$ band rEEG proportion between 0 and 10 uv, Theil-Sen slope	-0.083 (0.146)	-0.195 (0.193)	0.091 (0.241)	$p = 0.369$ ( $t = 0.918$ , $R^2 = 0.042$ )	-
$\theta$ band rEEG proportion between 0 and 10 uv, RMSE for Theil-Sen line of best fit	0.115 (0.011)	0.120 (0.015)	0.109 (0.018)	$p = 0.634$ ( $t = -0.484$ , $R^2 = 0.138$ )	-
$\theta$ band rEEG proportion between 0 and 10 uv, Mann-Kendall $\tau$ value	0.094 (0.082)	0.127 (0.110)	0.041 (0.138)	$p = 0.632$ ( $t = -0.486$ , $R^2 = 0.082$ )	-





θ band rEEG proportion between 50 and 100 uv

Variable	Group Values	No ND (n=14)	ND (n=9)	Test Results	Equal Var
θ band rEEG proportion between 50 and 100 uv, mean	0.003 (8.371e-04)	0.003 (0.001)	0.003 (0.001)	p = 0.972 (t = 0.036, R² = 0.037)	-
θ band rEEG proportion between 50 and 100 uv, median	0.000 (0.000)	0.000 (0.000)	0.000 (0.000)	p = nan (t = nan, R² = nan)	-
θ band rEEG proportion between 50 and 100 uv, STDEV	0.009 (0.002)	0.009 (0.002)	0.010 (0.003)	p = 0.799 (t = 0.258, R² = 0.064)	-
θ band rEEG proportion between 50 and 100 uv, IQR	0.003 (0.002)	0.002 (0.002)	0.003 (0.003)	p = 0.825 (t = 0.224, R² = 0.034)	-
θ band rEEG proportion between 50 and 100 uv, Theil-Sen slope	0.000 (0.000)	0.000 (0.000)	0.000 (0.000)	p = nan (t = nan, R² = nan)	-
θ band rEEG proportion between 50 and 100 uv, RMSE for Theil-Sen line of best fit	0.010 (0.002)	0.009 (0.002)	0.010 (0.003)	p = 0.817 (t = 0.235, R² = 0.060)	-
θ band rEEG proportion between 50 and 100 uv, Mann-Kendall τ value	-0.031 (0.032)	-0.031 (0.044)	-0.031 (0.054)	p = 1.000 (t = 0.000, R² = 0.022)	-



# $\theta$ band rEEG proportion over 100 uv

Variable	Group Values	No ND (n=14)	ND (n=9)	Test Results	Equal Var
$\theta$ band rEEG proportion over 100 uv, mean	2.426e-04 (9.788e-05)	2.946e-04 (1.308e-04)	1.617e-04 (1.635e-04)	p = 0.535 (t = -0.631, R <sup>2</sup> = 0.063)	-
$\theta$ band rEEG proportion over 100 uv, median	0.000 (0.000)	0.000 (0.000)	0.000 (0.000)	p = nan (t = nan, R <sup>2</sup> = nan)	-
$\theta$ band rEEG proportion over 100 uv, STDEV	0.001 (4.925e-04)	0.002 (6.638e-04)	0.001 (8.297e-04)	p = 0.812 (t = -0.241, R <sup>2</sup> = 0.079)	-
$\theta$ band rEEG proportion over 100 uv, IQR	0.000 (0.000)	0.000 (0.000)	0.000 (0.000)	p = nan (t = nan, R <sup>2</sup> = nan)	-
$\theta$ band rEEG proportion over 100 uv, Theil-Sen slope	0.000 (0.000)	0.000 (0.000)	0.000 (0.000)	p = nan (t = nan, R <sup>2</sup> = nan)	-
$\theta$ band rEEG proportion over 100 uv, RMSE for Theil-Sen line of best fit	0.001 (4.985e-04)	0.002 (6.718e-04)	0.001 (8.398e-04)	p = 0.805 (t = -0.250, R <sup>2</sup> = 0.078)	-
$\theta$ band rEEG proportion over 100 uv, Mann-Kendall $\tau$ value	0.008 (0.017)	0.001 (0.023)	0.018 (0.029)	p = 0.655 (t = 0.454, R <sup>2</sup> = 0.100)	-

# $\theta$ skew

Variable	Group Values	No ND (n=14)	ND (n=9)	Test Results	Equal Var
$\theta$ skew, mean	0.004 (6.053e-04)	0.005 (8.155e-04)	0.004 (0.001)	p = 0.786 (t = -0.275, R <sup>2</sup> = 0.037)	-
$\theta$ skew, median	0.001 (1.027e-04)	0.001 (1.384e-04)	0.001 (1.730e-04)	p = 0.818 (t = -0.234, R <sup>2</sup> = 0.067)	-
$\theta$ skew, STDEV	0.015 (0.003)	0.015 (0.004)	0.015 (0.006)	p = 0.980 (t = 0.025, R <sup>2</sup> = 0.006)	-
$\theta$ skew, IQR	0.002 (2.704e-04)	0.003 (3.631e-04)	0.002 (4.539e-04)	p = 0.658 (t = -0.449, R <sup>2</sup> = 0.102)	-
$\theta$ skew, Theil-Sen slope	1.421e-04 (3.858e-04)	2.337e-04 (5.198e-04)	-4.895e-07 (6.497e-04)	p = 0.782 (t = -0.280, R <sup>2</sup> = 0.020)	-
$\theta$ skew, RMSE for Theil-Sen line of best fit	0.015 (0.003)	0.015 (0.005)	0.015 (0.006)	p = 0.982 (t = 0.023, R <sup>2</sup> = 0.007)	-
$\theta$ skew, Mann-Kendall $\tau$ value	0.023 (0.021)	0.019 (0.029)	0.029 (0.036)	p = 0.834 (t = 0.212, R <sup>2</sup> = 0.010)	-