

```

%% PREDICTORS: KINEMATICS, GROUP, & INTERACTION. RESPONSE: BRAIN ACTIVITY, STATS
TEST

REGRESS_TXT_SIZE = 8;
REGRESS_TXT_XMULTI = 0.9;
REGRESS_TXT_YMULTI = 1.0;
im_resize = 0.7;
AX_W = 0.35;
AX_H = 0.25;
GROUP_SHORTS = {'YA','HO','FO'};
GROUP_MARKS = {'o','x','^'};
GROUP_LINESTYLES = {'-','-.',':'};
MEASURE_NAME_LABS = {'Mean \theta','Mean \alpha','Mean \beta'};
PLOT_PARAMS = struct('color_map',[],...  

'cond_labels',unique(TMP_FOOOF_T.cond_char),'group_labels',unique(TMP_FOOOF_T.group_char),...  

    'cond_offsets',[-0.3,-0.1,0.1,0.3],'y_label',[],...  

    'title',[],'font_size',10,'ylim',[],...  

    'font_name','Arial','x_label','speed','do_combine_groups',true);  

tmp_savedir = [save_dir filesep 'Pkin-PGroup-Pinter-Reeg'];  

mkdir(tmp_savedir);

```

Warning: Directory already exists.

```

for cl_i = 1:length(clusters)
%##%
for var_i = 1:length(varnames)
%%
atlas_name = atlas_name_store{cl_i};
fig = figure('color','white','renderer','Painters');

sgtitle(atlas_name,'FontName',PLOT_STRUCT.font_name,'FontSize',14,'FontWeight','bold
','Interpreter','none');
set(fig,'Units','inches','Position',[0.5,0.5,6.5,9])
set(fig,'PaperUnits','inches','PaperSize',[1 1],'PaperPosition',[0 0 1 1])
hold on;
set(gca,AXES_DEFAULT_PROPS{:})
vert_shift = 0;
for des_i = 2
    switch des_i
        case 1
            color_dark = COLORS_MAPS_TERRAIN;
            color_light = COLORS_MAPS_TERRAIN;
            GROUP_CMAP_OFFSET = [0,0.1,0.1];
            xtick_label_g = {'flat','low','med','high'};
        case 2
            color_dark = COLOR_MAPS_SPEED;
            color_light = COLOR_MAPS_SPEED+0.15;
            GROUP_CMAP_OFFSET = [0.15,0,0];
            xtick_label_g = {'0.25','0.50','0.75','1.0'};
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    end
    horiz_shift = 0;
    stats_store = [];
    cond_plot_store = [];
    for meas_i = 1:length(measure_name_plot)
        measure_name = measure_name_plot{meas_i};
        %##
        group_plot_store = [];
        % inds = psd_feature_stats.study ==
num2str(des_i) & psd_feature_stats.cluster == num2str(cl_i) &
psd_feature_stats.group==groups(group_i);
        % T_stats_plot = psd_feature_stats(inds,:);
        inds = TMP_FOOOF_T.design_id == designs(des_i) &
TMP_FOOOF_T.cluster_id == clusters(cl_i);
        T_vals_plot = TMP_FOOOF_T(inds,:);
        %- continuous or categorical
        % T_vals_plot.cond_char = double(string(T_vals_plot.cond_char));
        %
        loc_cond_chars = unique(T_vals_plot.cond_char);
        y_lim_calc = [min(T_vals_plot.(measure_name))-std(T_vals_plot.(measure_name)),max(T_vals_plot.(measure_name))+std(T_vals_plot.(measure_name))];
        x_txt = min(T_vals_plot.(varnames{var_i}))*REGRESS_TXT_XMULTI+std(T_vals_plot.(varnames{var_i})));
        y_txt = max(T_vals_plot.(measure_name))*REGRESS_TXT_YMULTI+std(T_vals_plot.(measure_name));
        try
            mod = sprintf('%s ~ 1 + %s + group_char +
%s*group_char',measure_name,varnames{var_i},varnames{var_i});
            stats_out = fitlm(T_vals_plot,mod);
            % anova_out = anova(stats_out);
            anova_out
= anova(T_vals_plot,mod,'SumOfSquaresType','three','CategoricalFactors',
{'group_char'},...
            'ModelSpecification','linear');
            anova_out = anova_out.stats();
            % anova_out = anovan(double(T_vals_plot.(measure_name)),
{T_vals_plot.group_char,double(T_vals_plot.(varnames{var_i}))},...
            % 'continuous',[2],...
            % 'model','interaction',...
            % 'model',2,...
            % 'sstype',3,...
            % 'varnames',strvcat('group',varnames{var_i}));
            R2 = stats_out.Rsquared.Adjusted;
            anova_p_var =
anova_out.pValue(strcmp(anova_out.Properties.RowNames,varnames{var_i}));
            anova_p_grp =
anova_out.pValue(strcmp(anova_out.Properties.RowNames,'group_char'));

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        anova_p_inter =
anova_out.pValue(strcmp(anova_out.Properties.RowNames,sprintf('group_char:%s',varnames{var_i})));

        pval_var =
stats_out.Coefficients.pValue(strcmp(stats_out.Coefficients.Properties.RowNames,varnames{var_i}));

        pval_grp2 =
double(stats_out.Coefficients.pValue(strcmp(stats_out.Coefficients.Properties.RowNames,'group_char_H2000''s')));
        pval_grp3 =
double(stats_out.Coefficients.pValue(strcmp(stats_out.Coefficients.Properties.RowNames,'group_char_H3000''s')));
        pval_var_grp2 =
double(stats_out.Coefficients.pValue(strcmp(stats_out.Coefficients.Properties.RowNames,sprintf('group_char_H2000''s:%s',varnames{var_i}))));
        pval_var_grp3 =
double(stats_out.Coefficients.pValue(strcmp(stats_out.Coefficients.Properties.RowNames,sprintf('group_char_H3000''s:%s',varnames{var_i})));

        slope_var =
stats_out.Coefficients.Estimate(strcmp(stats_out.Coefficients.Properties.RowNames,varnames{var_i}));
        slope_grp2 =
double(stats_out.Coefficients.Estimate(strcmp(stats_out.Coefficients.Properties.RowNames,'group_char_H2000''s')));
        slope_grp3 =
double(stats_out.Coefficients.Estimate(strcmp(stats_out.Coefficients.Properties.RowNames,'group_char_H3000''s')));
        slope_var_grp2 =
double(stats_out.Coefficients.Estimate(strcmp(stats_out.Coefficients.Properties.RowNames,sprintf('group_char_H2000''s:%s',varnames{var_i})));
        slope_var_grp3 =
double(stats_out.Coefficients.Estimate(strcmp(stats_out.Coefficients.Properties.RowNames,sprintf('group_char_H3000''s:%s',varnames{var_i})));
        inter_mn =
double(stats_out.Coefficients.Estimate(strcmp(stats_out.Coefficients.Properties.RowNames,'(Intercept)')));
        %## FPRINTF
        % fid = fopen([tmp_savedir filesep sprintf('cl%_s_%s_eeg-kin-
group-interact_ANOVA.txt',string(clusters(cl_i)),varnames{var_i})],'wt');
        % %- converst Summary anova to char array
        % txt = evalc('anova_out');
        % fprintf(fid,'ANOVA EVAL\n');
        % fprintf(fid,'%s',txt);
        % fprintf(fid,'\n');
        % %- Convert summary to char array
        % fprintf(fid,'FITGLME EVAL\n');
        % txt = evalc('stats_out');
        % fprintf(fid,'%s',txt);

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    % fclose(fid);
    fprintf('##%s-%s')
%s\n',string(clusters(cl_i)),measure_name,varnames{var_i});
    disp(anova_out);
    disp(stats_out);
catch e
    fprintf('Error. Cluster
%s\n\n%s\n',string(clusters(cl_i)),getReport(e))
    R2 = 0;
    pval = 1;
    slope = 0;
    inter = 0;
end
%%% SCATTER
axes();
hold on;
for cond_i = 1:length(loc_cond_chars)
    for group_i = 1:length(groups)
        inds = T_vals_plot.cond_char==loc_cond_chars(cond_i) &
T_vals_plot.group_id==string(group_i);
        data = T_vals_plot(inds,:);
        [vals,inds] = sort(data.(varnames{var_i})));
        data = data(inds,:);
        ss =
scatter(data,varnames{var_i},measure_name,'DisplayName',sprintf('%s',GROUP_SHORTS{gr
oup_i}));
        ss.CData = color_dark(cond_i,:);
        ss.SizeData = 15;
        ss.Marker = GROUP_MARKS{group_i};
        if group_i == 1 && meas_i == 1
            cond_plot_store = [cond_plot_store, ss];
        end
        if cond_i == 1
            group_plot_store = [group_plot_store, ss];
        end
    end
end
%%% LINEAR MODEL FIT
hold on;
for cond_i = 1:length(loc_cond_chars)
    for group_i = 1:length(groups)
        switch group_i
            case 1
                g2 = 0;
                g3 = 0;
            case 2
                g2 = 1;
                g3 = 0;
            case 3
                g2 = 0;

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                g3 = 1;
            end
            inds = T_vals_plot.cond_char==loc_cond_chars(cond_i) &
T_vals_plot.group_id==string(group_i);
            data = T_vals_plot(inds,:);
            [vals,inds] = sort(data.(varnames{var_i}));
            data = data(inds,:);
            if anova_p_var < 0.1 || anova_p_grp < 0.1
                x = unique(data.(varnames{var_i}));
                y = [];
                for i = 1:length(x)
                    % y(i) = x(i)*slope_var +
loc_cond_chars(cond_i)*slope_cnd + slope_grp*x(i) + inter_mn;
                    y(i) = x(i)*slope_var + slope_grp2*g2 +
slope_grp3*g3 + slope_var_grp2*x(i)*g2 + slope_var_grp3*x(i)*g3 + inter_mn ;
                end
                pp = plot(x,y, ...
'DisplayName',sprintf('p-
vals=(%0.2f,%0.2f,%0.2f)',anova_p_var,anova_p_grp,anova_p_inter),...
'LineWidth',2);
                pp.LineStyle = GROUP_LINESTYLES{group_i};
                pp.Color = color_light(cond_i,:);
                if cond_i == 1
                    % eq = sprintf('y=(%0.1g)*x+(%0.1g)*%0.2f+(%0.1g)*x+
(%0.1g)',slope_var,slope_cnd,loc_cond_chars(cond_i),slope_grp,inter_mn);
                    % eq = sprintf('y=(%0.1g)*x+(%0.1g)*c_i\n%6s+
(%0.1g)',slope_var,slope_cnd,'',inter_mn);
                    eq = '';
                    if anova_p_var > 0.01 & anova_p_var < 0.05
                        annotation('textbox',
[horiz_shift+0.1,SCATTER_BOTTOM-vert_shift+0.05,0.2,0.2],...
                        'String',sprintf('*
%s\nR^2=%0.2g',eq,R2), 'HorizontalAlignment','center',...
                        'VerticalAlignment','middle','LineStyle','none','FontName',PLOT_PARAMS.font_name, ...
                        'FontSize',REGRESS_TXT_SIZE,'FontWeight','Bold','Units','normalized',...
                        'BackgroundColor','none');
                    elseif anova_p_var <= 0.01 & anova_p_var > 0.001
                        annotation('textbox',
[horiz_shift+0.1,SCATTER_BOTTOM-vert_shift+0.05,0.2,0.2],...
                        'String',sprintf('**
%s\nR^2=%0.2g',eq,R2), 'HorizontalAlignment','center',...
                        'VerticalAlignment','middle','LineStyle','none','FontName',PLOT_PARAMS.font_name, ...
                        'FontSize',REGRESS_TXT_SIZE,'FontWeight','Bold','Units','normalized',...
                        'BackgroundColor','none');
                    else

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annotation('textbox',
[horiz_shift+0.1,SCATTER_BOTTOM-vert_shift+0.05,0.2,0.2],...
    'String',sprintf('***%
s\nR^2=%0.2g',eq,R2),'HorizontalAlignment','center',...
'VerticalAlignment','middle','LineStyle','none','FontName',PLOT_PARAMS.font_name, ...
'FontSize',REGRESS_TXT_SIZE,'FontWeight','Bold','Units','normalized',...
    'BackgroundColor','none');
end
if group_i == 1
    stats_store = [stats_store, pp];
end
end
end
end
ylabel('10*log_{10}(Flattened PSD)');
xlabel(varnames_labs{var_i});
title(MEASURE_NAME_LABS{meas_i});
set(gca,'FontWeight','bold');
ylim(y_lim_calc)
## legend
if meas_i == 1
    %- lg2
    legend(gca,cond_plot_store);
    [lg2,icons,plots,txt] = legend('boxoff');
    tmp = get(lg2,'String');
    cnt = 1;
    for i = 1:length(cond_plot_store)
        tmp{i} =
sprintf('%0.2g',double(string(loc_cond_chars(cnt))));
        cnt = cnt + 1;
    end
    set(lg2,'String',tmp,'FontName','Arial','FontSize',9)
    set(lg2,'Orientation','horizontal')
    set(lg2,'Position',[0.1-0.027,SCATTER_BOTTOM+AX_W*im_resize-vert_shift,lg2.Position(3),lg2.Position(4)]);
    lg2.ItemTokenSize(1) = 18;
elseif meas_i == 2
    %- lg1
    legend(gca,group_plot_store);
    [lg1,icons,plots,txt] = legend('boxoff');
    set(lg1,'Orientation','horizontal')
    set(lg1,'FontName','Arial','FontSize',9)
    % set(lg1,'Position',[0.1,SCATTER_BOTTOM+AX_W*im_resize-vert_shift,lg1.Position(3),lg1.Position(4)]);
    set(lg1,'Position',[0.1,SCATTER_BOTTOM+AX_W*im_resize-vert_shift+0.025,lg1.Position(3),lg1.Position(4)]);
    lg1.ItemTokenSize(1) = 18;

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elseif meas_i == 3
    %- lg3
    if ~isempty(stats_store)
        legend(gca,stats_store);
        [lg3,~,~,~] = legend('boxoff');
        set(lg3,'Orientation','horizontal')
        set(lg3,'FontName','Arial','FontSize',9)
        % set(lg1,'Position',[0.1,SCATTER_BOTTOM+AX_W*im_resize-
vert_shift,lg1.Position(3),lg1.Position(4)]);
        set(lg3,'Position',[0.1+0.01,SCATTER_BOTTOM+AX_W*im_resize-
vert_shift-0.03,lg3.Position(3),lg3.Position(4)]);
        lg3.ItemTokenSize(1) = 18;
    end
end
set(gca,'Position',[horiz_shift+0.05,SCATTER_BOTTOM-
vert_shift,AX_W*im_resize,AX_H*im_resize]); %[left bottom width height]
horiz_shift = horiz_shift + AX_H*im_resize + 0.125;
end
%## TITLE
% annotation('textbox',[0.5-0.1,SCATTER_BOTTOM-
vert_shift-0.05+AX_H*im_resize,0.2,0.2],...
%
[String',string(design_chars(des_i)), 'HorizontalAlignment','center',...
%
'VerticalAlignment','middle','LineStyle','none','FontName',PLOT_PARAMS.font_name, ...
% 'FontSize',14,'FontWeight','Bold','Units','normalized');
vert_shift = vert_shift + AX_H*im_resize+0.1;
end
hold off;
%##
% exportgraphics(fig,[tmp_savedir filesep sprintf('c1%s_%s_eeg-kin-group-
inter.tiff',string(clusters(cl_i)),varnames{var_i})],'Resolution',300)
% close(fig)
end
end

```

##3-theta\_avg\_power) mean\_APexc\_COV

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	6.0707	2	3.0354	3.1591	0.044165
mean_APexc_COV	3.0638	1	3.0638	3.1887	0.075363
group_char:mean_APexc_COV	1.0924	2	0.5462	0.56846	0.56713
Error	240.21	250	0.96084		
Total	327.15	255			

Linear regression model:

theta\_avg\_power ~ 1 + group\_char\*mean\_APexc\_COV

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	0.2146	0.41635	0.51543	0.60671
group_char_H2000's	-0.26641	0.69123	-0.38541	0.70026

group_char_H3000's	1.1167	0.54909	2.0337	0.043043
mean_APexc_COV	0.0093588	0.024773	0.37778	0.70591
group_char_H2000's:mean_APexc_COV	0.033446	0.035005	0.95545	0.34028
group_char_H3000's:mean_APexc_COV	0.0060366	0.028631	0.21085	0.83318

Number of observations: 256, Error degrees of freedom: 250

Root Mean Squared Error: 0.98

R-squared: 0.266, Adjusted R-Squared: 0.251

F-statistic vs. constant model: 18.1, p-value = 2.57e-15

##3-alpha\_avg\_power) mean\_APexc\_COV

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	16.037	2	8.0184	1.9967	0.13794
mean_APexc_COV	1.1941	1	1.1941	0.29735	0.58604
group_char:mean_APexc_COV	20.406	2	10.203	2.5407	0.080841
Error	1004	250	4.0158		
Total	1066.8	255			

Linear regression model:

alpha\_avg\_power ~ 1 + group\_char\*mean\_APexc\_COV

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	3.8376	0.85117	4.5086	1.0035e-05
group_char_H2000's	1.1737	1.4131	0.83054	0.40703
group_char_H3000's	-1.3893	1.1225	-1.2376	0.21702
mean_APexc_COV	0.01015	0.050645	0.2004	0.84133
group_char_H2000's:mean_APexc_COV	-0.10218	0.071564	-1.4278	0.15461
group_char_H3000's:mean_APexc_COV	0.029551	0.058532	0.50486	0.6141

Number of observations: 256, Error degrees of freedom: 250

Root Mean Squared Error: 2

R-squared: 0.0589, Adjusted R-Squared: 0.04

F-statistic vs. constant model: 3.13, p-value = 0.00932

##3-beta\_avg\_power) mean\_APexc\_COV

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	17.754	2	8.8768	6.9304	0.0011767
mean_APexc_COV	1.2114	1	1.2114	0.94573	0.33175
group_char:mean_APexc_COV	11.053	2	5.5263	4.3145	0.014383
Error	320.22	250	1.2809		
Total	365.26	255			

Linear regression model:

beta\_avg\_power ~ 1 + group\_char\*mean\_APexc\_COV

Estimated Coefficients:

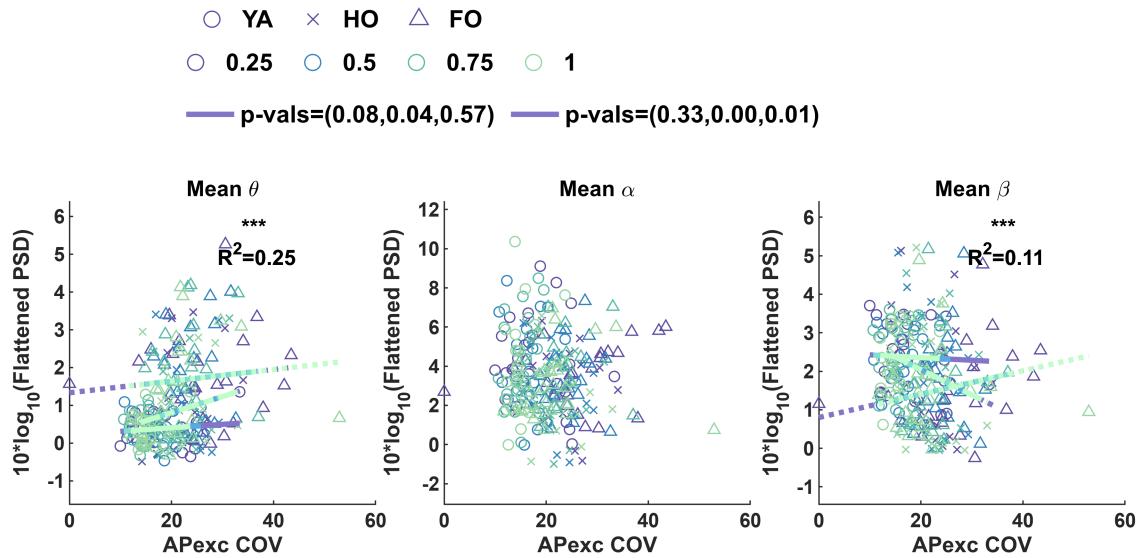
	Estimate	SE	tStat	pValue
(Intercept)	2.4966	0.48071	5.1937	4.2774e-07
group_char_H2000's	0.86188	0.79808	1.0799	0.28121
group_char_H3000's	-1.6967	0.63397	-2.6764	0.007934
mean_APexc_COV	-0.0070404	0.028602	-0.24615	0.80577
group_char_H2000's:mean_APexc_COV	-0.058695	0.040417	-1.4522	0.14769
group_char_H3000's:mean_APexc_COV	0.037336	0.033056	1.1295	0.25979

Number of observations: 256, Error degrees of freedom: 250

Root Mean Squared Error: 1.13

R-squared: 0.123, Adjusted R-Squared: 0.106  
F-statistic vs. constant model: 7.03, p-value = 3.6e-06

### CL3: Cuneus\_R



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##3-theta_avg_power) mean_APexc_mean
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	SumOfSquares	DF	MeanSquares	F	pValue
group_char	17.789	2	8.8947	9.2673	0.00013106
mean_APexc_mean	0.85489	1	0.85489	0.8907	0.3462
group_char:mean_APexc_mean	4.0804	2	2.0402	2.1257	0.12151
Error	239.95	250	0.95979		
Total	327.15	255			

Linear regression model:

theta\_avg\_power ~ 1 + group\_char\*mean\_APexc\_mean

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	0.31869	0.37412	0.85183	0.39512
group_char_H2000's	-0.13213	0.52671	-0.25086	0.80213
group_char_H3000's	1.5932	0.46879	3.3985	0.00078848
mean_APexc_mean	0.89837	6.6828	0.13443	0.89317
group_char_H2000's:mean_APexc_mean	14.845	10.406	1.4267	0.15492
group_char_H3000's:mean_APexc_mean	-6.0316	9.2247	-0.65386	0.5138

Number of observations: 256, Error degrees of freedom: 250

Root Mean Squared Error: 0.98

R-squared: 0.267, Adjusted R-Squared: 0.252

F-statistic vs. constant model: 18.2, p-value = 2.25e-15

##3-alpha\_avg\_power) mean\_APexc\_mean

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	0.98319	2	0.49159	0.1201	0.88688
mean_APexc_mean	0.32154	1	0.32154	0.078553	0.7795
group_char:mean_APexc_mean	1.0446	2	0.52232	0.12761	0.88026
Error	1023.3	250	4.0933		
Total	1066.8	255			

Linear regression model:

alpha\_avg\_power ~ 1 + group\_char\*mean\_APexc\_mean

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	3.5619	0.77261	4.6102	6.422e-06
group_char_H2000's	-0.51485	1.0877	-0.47333	0.63639
group_char_H3000's	-0.15838	0.96812	-0.16359	0.87019
mean_APexc_mean	8.1901	13.801	0.59345	0.55342
group_char_H2000's:mean_APexc_mean	-9.1721	21.489	-0.42683	0.66987
group_char_H3000's:mean_APexc_mean	-8.34	19.05	-0.43779	0.66192

Number of observations: 256, Error degrees of freedom: 250

Root Mean Squared Error: 2.02

R-squared: 0.0407, Adjusted R-Squared: 0.0215

F-statistic vs. constant model: 2.12, p-value = 0.0633

##3-beta\_avg\_power) mean\_APexc\_mean

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	2.6631	2	1.3315	1.01	0.36572
mean_APexc_mean	0.81608	1	0.81608	0.61899	0.43217
group_char:mean_APexc_mean	1.1699	2	0.58495	0.44368	0.64218
Error	329.6	250	1.3184		
Total	365.26	255			

Linear regression model:

beta\_avg\_power ~ 1 + group\_char\*mean\_APexc\_mean

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	2.2801	0.43848	5.2	4.1483e-07
group_char_H2000's	0.066556	0.61731	0.10782	0.91423
group_char_H3000's	-0.60787	0.54944	-1.1063	0.26964
mean_APexc_mean	1.8908	7.8324	0.2414	0.80944
group_char_H2000's:mean_APexc_mean	-11.449	12.196	-0.93876	0.34876
group_char_H3000's:mean_APexc_mean	-5.4683	10.812	-0.50578	0.61345

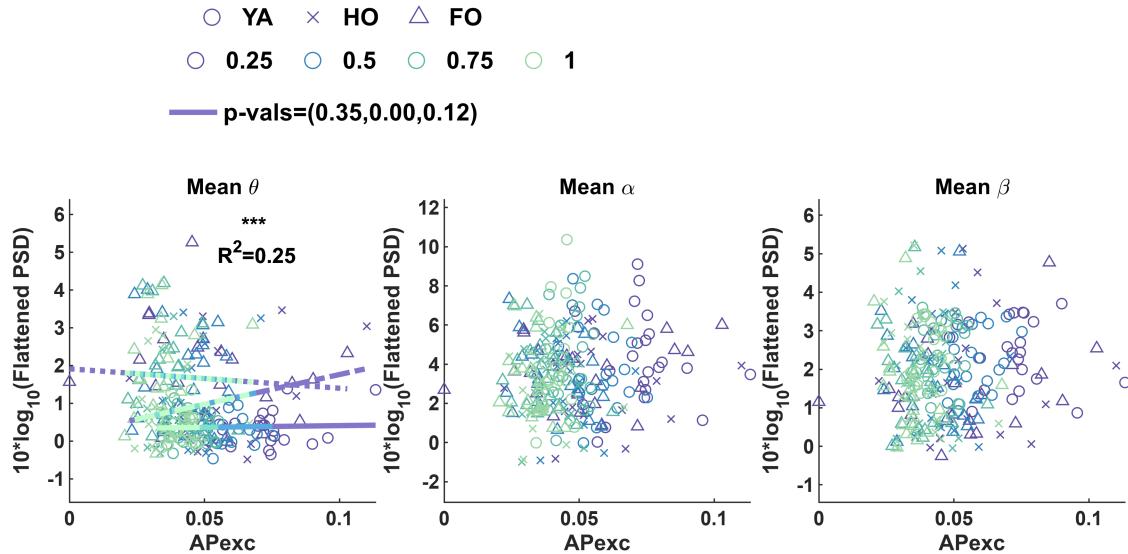
Number of observations: 256, Error degrees of freedom: 250

Root Mean Squared Error: 1.15

R-squared: 0.0976, Adjusted R-Squared: 0.0796

F-statistic vs. constant model: 5.41, p-value = 9.62e-05

## CL3: Cuneus\_R



##3-theta_avg_power) mean_MLexc_COV	SumOfSquares	DF	MeanSquares	F	pValue

group_char	20.731	2	10.366	10.922	2.8347e-05
mean_MLexc_COV	0.032315	1	0.032315	0.03405	0.85375
group_char:mean_MLexc_COV	7.0633	2	3.5317	3.7213	0.025555
Error	237.26	250	0.94905		
Total	327.15	255			

Linear regression model:

```
theta_avg_power ~ 1 + group_char*mean_MLexc_COV
```

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	0.51091	0.29936	1.7067	0.089128
group_char_H2000's	-0.31663	0.44525	-0.71112	0.47767
group_char_H3000's	1.6322	0.43385	3.7622	0.00020984
mean_MLexc_COV	-0.010607	0.020766	-0.51076	0.60997
group_char_H2000's:mean_MLexc_COV	0.059689	0.030289	1.9707	0.049867
group_char_H3000's:mean_MLexc_COV	-0.021048	0.029669	-0.70943	0.47872

Number of observations: 256, Error degrees of freedom: 250

Root Mean Squared Error: 0.974

R-squared: 0.275, Adjusted R-Squared: 0.26

F-statistic vs. constant model: 18.9, p-value = 5.76e-16

```
##3-alpha_avg_power) mean_MLexc_COV
```

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	6.3761	2	3.1881	0.77941	0.45979
mean_MLexc_COV	1.6438	1	1.6438	0.40187	0.5267
group_char:mean_MLexc_COV	0.4774	2	0.2387	0.058357	0.94333
Error	1022.6	250	4.0904		
Total	1066.8	255			

Linear regression model:

```
alpha_avg_power ~ 1 + group_char*mean_MLexc_COV
```

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	4.2278	0.62149	6.8028	7.5328e-11
group_char_H2000's	-1.1515	0.92435	-1.2457	0.21404
group_char_H3000's	-0.45364	0.90068	-0.50366	0.61494
mean_MLexc_COV	-0.016582	0.043112	-0.38464	0.70083
group_char_H2000's:mean_MLexc_COV	0.011394	0.062881	0.18119	0.85636
group_char_H3000's:mean_MLexc_COV	-0.010295	0.061593	-0.16715	0.86739

Number of observations: 256, Error degrees of freedom: 250

Root Mean Squared Error: 2.02

R-squared: 0.0414, Adjusted R-Squared: 0.0222

F-statistic vs. constant model: 2.16, p-value = 0.0592

```
##3-beta_avg_power) mean_MLexc_COV
```

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	2.5117	2	1.2558	0.95866	0.38481
mean_MLexc_COV	3.6732	1	3.6732	2.804	0.09528
group_char:mean_MLexc_COV	0.27164	2	0.13582	0.10368	0.90155
Error	327.5	250	1.31		
Total	365.26	255			

Linear regression model:

```
beta_avg_power ~ 1 + group_char*mean_MLexc_COV
```

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	2.5903	0.35171	7.3649	2.5667e-12
group_char_H2000's	-0.23123	0.52311	-0.44202	0.65885
group_char_H3000's	-0.69705	0.50971	-1.3675	0.17269
mean_MLexc_COV	-0.015369	0.024398	-0.62995	0.52931
group_char_H2000's:mean_MLexc_COV	-0.015652	0.035586	-0.43985	0.66043
group_char_H3000's:mean_MLexc_COV	-0.010962	0.034857	-0.3145	0.7534

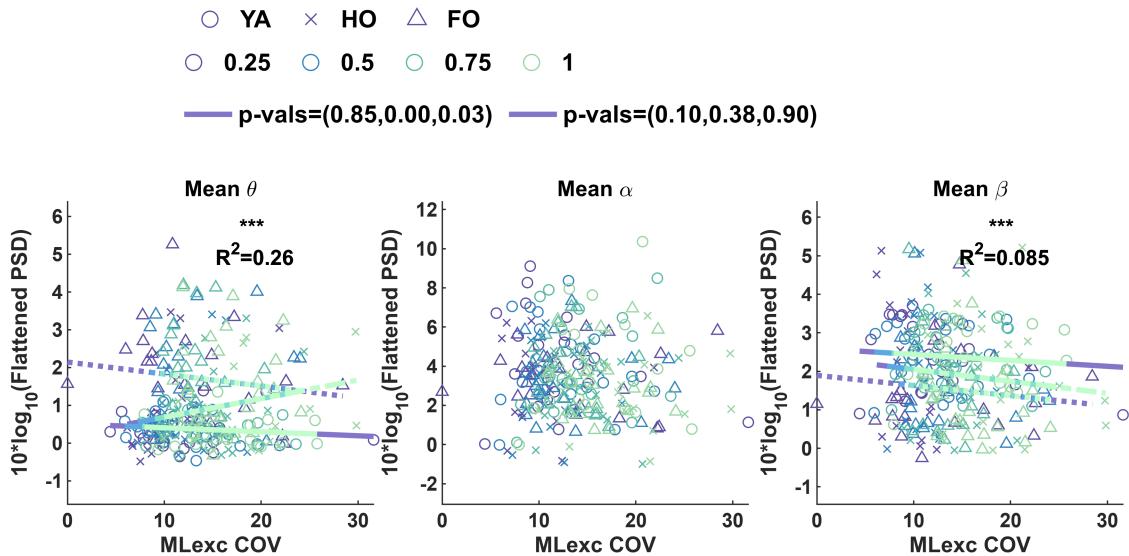
Number of observations: 256, Error degrees of freedom: 250

Root Mean Squared Error: 1.14

R-squared: 0.103, Adjusted R-Squared: 0.0854

F-statistic vs. constant model: 5.76, p-value = 4.68e-05

## CL3: Cuneus\_R



```
###3-theta_avg_power) mean_MLexc_mean
SumOfSquares      DF      MeanSquares      F      pValue
_____           _____           _____           _____
```

group_char	3.3717	2	1.6858	1.8143	0.16509
mean_MLexc_mean	5.0257	1	5.0257	5.4087	0.020838
group_char:mean_MLexc_mean	5.8536	2	2.9268	3.1498	0.044566
Error	232.3	250	0.9292		
Total	327.15	255			

Linear regression model:

theta\_avg\_power ~ 1 + group\_char\*mean\_MLexc\_mean

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	0.18846	0.30115	0.62579	0.53202
group_char_H2000's	0.66716	0.41019	1.6264	0.10511
group_char_H3000's	0.68324	0.39421	1.7332	0.084297
mean_MLexc_mean	2.1987	3.4947	0.62916	0.52982
group_char_H2000's:mean_MLexc_mean	-1.9056	4.4941	-0.42402	0.67192
group_char_H3000's:mean_MLexc_mean	7.5746	4.453	1.701	0.090184

Number of observations: 256, Error degrees of freedom: 250

Root Mean Squared Error: 0.964

R-squared: 0.29, Adjusted R-Squared: 0.276

F-statistic vs. constant model: 20.4, p-value = 4.44e-17

##3-alpha\_avg\_power) mean\_MLexc\_mean

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	18.116	2	9.0581	2.2676	0.10569
mean_MLexc_mean	5.4613	1	5.4613	1.3671	0.24342
group_char:mean_MLexc_mean	18.932	2	9.4662	2.3697	0.095605
Error	998.66	250	3.9947		
Total	1066.8	255			

Linear regression model:

alpha\_avg\_power ~ 1 + group\_char\*mean\_MLexc\_mean

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	3.8702	0.62442	6.1981	2.3426e-09
group_char_H2000's	-0.58735	0.8505	-0.69059	0.49046
group_char_H3000's	-1.6798	0.81736	-2.0551	0.040904
mean_MLexc_mean	1.6345	7.2459	0.22558	0.82171
group_char_H2000's:mean_MLexc_mean	-4.737	9.3182	-0.50835	0.61165
group_char_H3000's:mean_MLexc_mean	12.619	9.2329	1.3667	0.17294

Number of observations: 256, Error degrees of freedom: 250

Root Mean Squared Error: 2

R-squared: 0.0638, Adjusted R-Squared: 0.0451

F-statistic vs. constant model: 3.41, p-value = 0.00535

##3-beta\_avg\_power) mean\_MLexc\_mean

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	6.6473	2	3.3237	2.5162	0.082808
mean_MLexc_mean	0.27228	1	0.27228	0.20614	0.65021
group_char:mean_MLexc_mean	0.8542	2	0.4271	0.32334	0.72403
Error	330.22	250	1.3209		
Total	365.26	255			

Linear regression model:

beta\_avg\_power ~ 1 + group\_char\*mean\_MLexc\_mean

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	2.4394	0.35906	6.7938	7.9403e-11
group_char_H2000's	-0.2485	0.48906	-0.50811	0.61183
group_char_H3000's	-0.98418	0.47001	-2.094	0.037271
mean_MLexc_mean	-0.70731	4.1666	-0.16975	0.86534
group_char_H2000's:mean_MLexc_mean	-2.2534	5.3583	-0.42054	0.67445
group_char_H3000's:mean_MLexc_mean	1.5204	5.3092	0.28637	0.77483

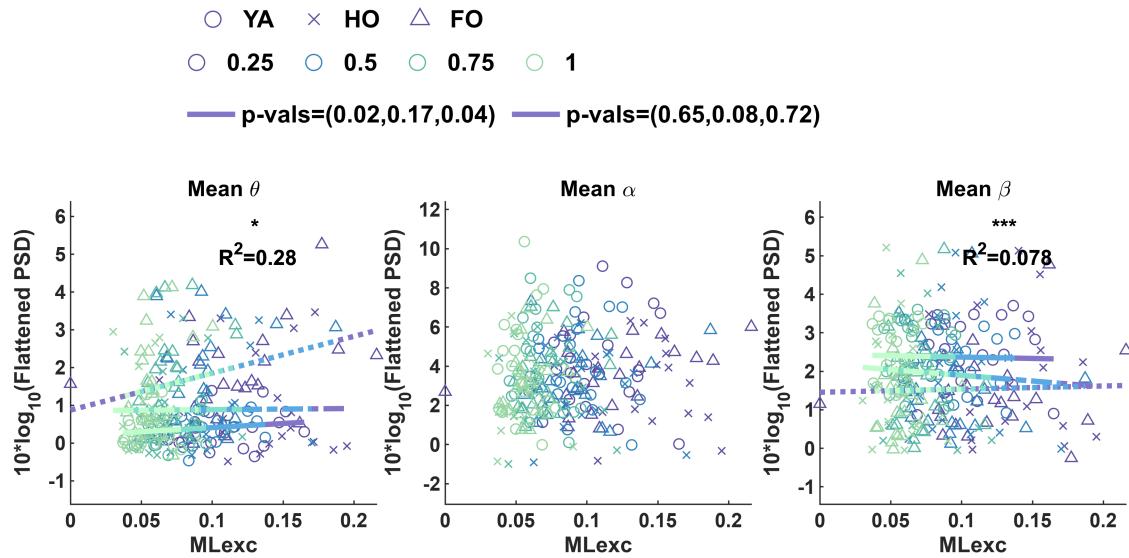
Number of observations: 256, Error degrees of freedom: 250

Root Mean Squared Error: 1.15

R-squared: 0.0959, Adjusted R-Squared: 0.0778

F-statistic vs. constant model: 5.3, p-value = 0.000119

## CL3: Cuneus\_R



##3-theta_avg_power) mean_StepDur	SumOfSquares	DF	MeanSquares	F	pValue
	_____	—	_____	_____	_____

group_char	4.764	2	2.382	2.4459	0.088723
mean_StepDur	0.71234	1	0.71234	0.73144	0.39324
group_char:mean_StepDur	0.50062	2	0.25031	0.25702	0.77356
Error	243.47	250	0.97389		
Total	327.15	255			

Linear regression model:

theta\_avg\_power ~ 1 + group\_char\*mean\_StepDur

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	0.36605	0.31417	1.1651	0.24507
group_char_H2000's	0.21258	0.52686	0.40348	0.68694
group_char_H3000's	1.1111	0.5117	2.1713	0.030846
mean_StepDur	0.001133	0.32742	0.0034602	0.99724
group_char_H2000's:mean_StepDur	0.39941	0.62884	0.63515	0.52591
group_char_H3000's:mean_StepDur	0.31548	0.64585	0.48846	0.62565

Number of observations: 256, Error degrees of freedom: 250

Root Mean Squared Error: 0.987

R-squared: 0.256, Adjusted R-Squared: 0.241

F-statistic vs. constant model: 17.2, p-value = 1.31e-14

##3-alpha\_avg\_power) mean\_StepDur

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	2.8585	2	1.4292	0.35029	0.70483
mean_StepDur	1.43	1	1.43	0.35048	0.55438
group_char:mean_StepDur	1.4643	2	0.73215	0.17944	0.83584
Error	1020	250	4.0801		
Total	1066.8	255			

Linear regression model:

alpha\_avg\_power ~ 1 + group\_char\*mean\_StepDur

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	3.4188	0.64304	5.3166	2.344e-07
group_char_H2000's	-0.80666	1.0784	-0.74803	0.45515
group_char_H3000's	0.079204	1.0474	0.075622	0.93978
mean_StepDur	0.64435	0.67018	0.96145	0.33726
group_char_H2000's:mean_StepDur	-0.12744	1.2871	-0.099011	0.92121
group_char_H3000's:mean_StepDur	-0.7879	1.322	-0.59601	0.55171

Number of observations: 256, Error degrees of freedom: 250

Root Mean Squared Error: 2.02

R-squared: 0.0438, Adjusted R-Squared: 0.0247

F-statistic vs. constant model: 2.29, p-value = 0.0464

##3-beta\_avg\_power) mean\_StepDur

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	0.50462	2	0.25231	0.19161	0.82575
mean_StepDur	0.5922	1	0.5922	0.44972	0.50308
group_char:mean_StepDur	2.0438	2	1.0219	0.77603	0.46134
Error	329.2	250	1.3168		
Total	365.26	255			

Linear regression model:

beta\_avg\_power ~ 1 + group\_char\*mean\_StepDur

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	2.2752	0.36531	6.2281	1.9857e-09
group_char_H2000's	-0.37453	0.61263	-0.61135	0.54152
group_char_H3000's	-0.18705	0.595	-0.31436	0.75351
mean_StepDur	0.11772	0.38073	0.3092	0.75743
group_char_H2000's:mean_StepDur	-0.086313	0.73122	-0.11804	0.90613
group_char_H3000's:mean_StepDur	-0.92176	0.751	-1.2274	0.22083

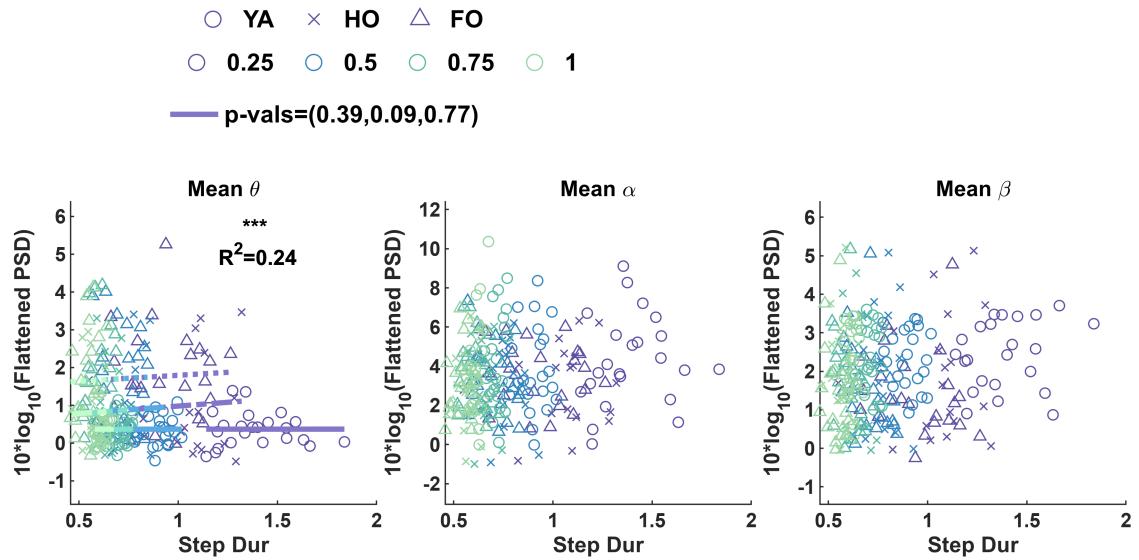
Number of observations: 256, Error degrees of freedom: 250

Root Mean Squared Error: 1.15

R-squared: 0.0987, Adjusted R-Squared: 0.0807

F-statistic vs. constant model: 5.48, p-value = 8.39e-05

## CL3: Cuneus\_R



```
###3-theta_avg_power) mean_UDexc_COV
SumOfSquares      DF      MeanSquares      F      pValue
_____           _____           _____           _____
```

group_char	10.601	2	5.3007	5.4824	0.004675
mean_UDexc_COV	1.0736	1	1.0736	1.1104	0.29301
group_char:mean_UDexc_COV	1.6495	2	0.82475	0.85301	0.42737
Error	241.72	250	0.96687		
Total	327.15	255			

Linear regression model:

```
theta_avg_power ~ 1 + group_char*mean_UDexc_COV
```

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	0.427	0.25942	1.646	0.10102
group_char_H2000's	0.043659	0.38837	0.11241	0.91058
group_char_H3000's	1.1479	0.38248	3.0012	0.0029612
mean_UDexc_COV	-0.0048652	0.019347	-0.25148	0.80165
group_char_H2000's:mean_UDexc_COV	0.036358	0.028023	1.2975	0.19567
group_char_H3000's:mean_UDexc_COV	0.013804	0.026985	0.51153	0.60943

Number of observations: 256, Error degrees of freedom: 250

Root Mean Squared Error: 0.983

R-squared: 0.261, Adjusted R-Squared: 0.246

F-statistic vs. constant model: 17.7, p-value = 5.48e-15

##3-alpha\_avg\_power) mean\_UDexc\_COV

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	14.124	2	7.0618	1.7276	0.17983
mean_UDexc_COV	0.50363	1	0.50363	0.1232	0.72588
group_char:mean_UDexc_COV	2.4471	2	1.2235	0.29932	0.74159
Error	1021.9	250	4.0878		
Total	1066.8	255			

Linear regression model:

```
alpha_avg_power ~ 1 + group_char*mean_UDexc_COV
```

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	4.0412	0.5334	7.5763	6.9045e-13
group_char_H2000's	-1.4796	0.79857	-1.8528	0.065094
group_char_H3000's	-0.55529	0.78644	-0.70608	0.4808
mean_UDexc_COV	-0.0031069	0.03978	-0.078103	0.93781
group_char_H2000's:mean_UDexc_COV	0.036946	0.057619	0.64121	0.52198
group_char_H3000's:mean_UDexc_COV	-0.0032657	0.055486	-0.058856	0.95311

Number of observations: 256, Error degrees of freedom: 250

Root Mean Squared Error: 2.02

R-squared: 0.042, Adjusted R-Squared: 0.0228

F-statistic vs. constant model: 2.19, p-value = 0.0557

##3-beta\_avg\_power) mean\_UDexc\_COV

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	5.5247	2	2.7624	2.0896	0.12589
mean_UDexc_COV	0.73391	1	0.73391	0.55517	0.45691
group_char:mean_UDexc_COV	0.11376	2	0.056881	0.043028	0.95789
Error	330.49	250	1.322		
Total	365.26	255			

Linear regression model:

```
beta_avg_power ~ 1 + group_char*mean_UDexc_COV
```

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	2.5605	0.30333	8.4413	2.5535e-15
group_char_H2000's	-0.57222	0.45412	-1.26	0.20883
group_char_H3000's	-0.89714	0.44723	-2.006	0.045936
mean_UDexc_COV	-0.0145	0.022622	-0.64098	0.52212
group_char_H2000's:mean_UDexc_COV	0.0096115	0.032767	0.29333	0.76951
group_char_H3000's:mean_UDexc_COV	0.0044833	0.031554	0.14208	0.88713

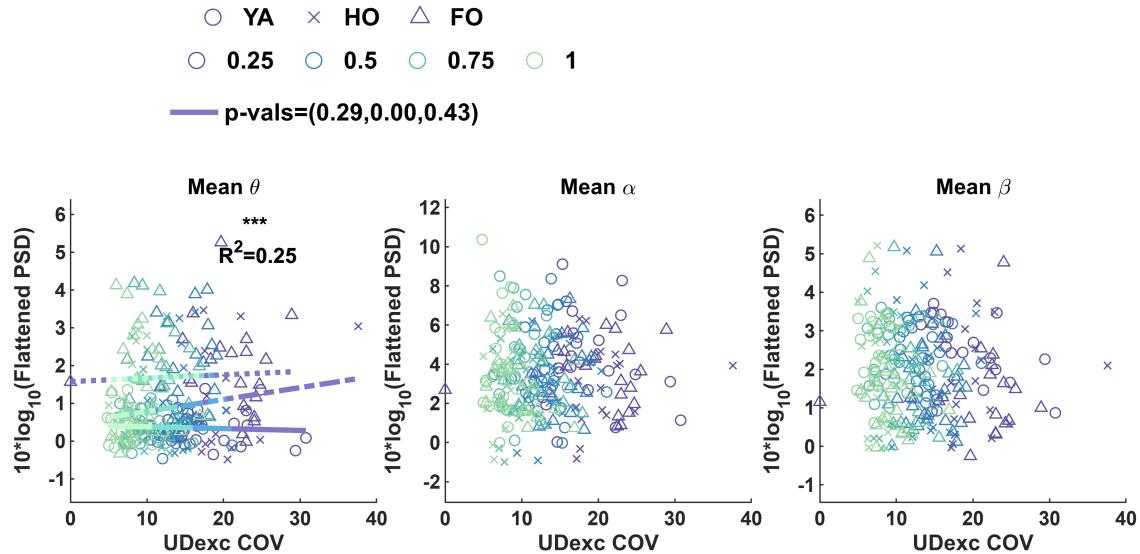
Number of observations: 256, Error degrees of freedom: 250

Root Mean Squared Error: 1.15

R-squared: 0.0952, Adjusted R-Squared: 0.0771

F-statistic vs. constant model: 5.26, p-value = 0.00013

## CL3: Cuneus\_R



```
###3-theta_avg_power) mean_UDexc_mean
SumOfSquares      DF      MeanSquares      F      pValue
-----      -----      -----      -----      -----

```

group_char	7.6477	2	3.8239	3.9217	0.021037
mean_UDexc_mean	0.081808	1	0.081808	0.083902	0.77232
group_char:mean_UDexc_mean	0.45011	2	0.22506	0.23082	0.79405
Error	243.76	250	0.97504		
Total	327.15	255			

Linear regression model:

theta\_avg\_power ~ 1 + group\_char\*mean\_UDexc\_mean

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	0.3663	0.30092	1.2173	0.22466
group_char_H2000's	0.56914	0.42862	1.3278	0.18544
group_char_H3000's	1.143	0.40861	2.7972	0.0055558
mean_UDexc_mean	0.033012	12.081	0.0027325	0.99782
group_char_H2000's:mean_UDexc_mean	-2.2702	16.895	-0.13437	0.89322
group_char_H3000's:mean_UDexc_mean	7.9834	16.221	0.49216	0.62304

Number of observations: 256, Error degrees of freedom: 250

Root Mean Squared Error: 0.987

R-squared: 0.255, Adjusted R-Squared: 0.24

F-statistic vs. constant model: 17.1, p-value = 1.51e-14

##3-alpha\_avg\_power) mean\_UDexc\_mean

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	2.6659	2	1.333	0.32679	0.72154
mean_UDexc_mean	0.027564	1	0.027564	0.0067576	0.93455
group_char:mean_UDexc_mean	4.9596	2	2.4798	0.60795	0.54527
Error	1019.7	250	4.079		
Total	1066.8	255			

Linear regression model:

alpha\_avg\_power ~ 1 + group\_char\*mean\_UDexc\_mean

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	3.7557	0.61549	6.102	3.9654e-09
group_char_H2000's	-0.26859	0.87668	-0.30637	0.75958
group_char_H3000's	-0.66758	0.83575	-0.79878	0.42517
mean_UDexc_mean	10.564	24.71	0.42754	0.66936
group_char_H2000's:mean_UDexc_mean	-30.801	34.557	-0.89132	0.37362
group_char_H3000's:mean_UDexc_mean	2.4817	33.178	0.0748	0.94043

Number of observations: 256, Error degrees of freedom: 250

Root Mean Squared Error: 2.02

R-squared: 0.0441, Adjusted R-Squared: 0.0249

F-statistic vs. constant model: 2.3, p-value = 0.0452

##3-beta\_avg\_power) mean\_UDexc\_mean

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	1.9312	2	0.96559	0.73942	0.47843
mean_UDexc_mean	3.7157	1	3.7157	2.8454	0.092884
group_char:mean_UDexc_mean	0.92159	2	0.46079	0.35286	0.70302
Error	326.47	250	1.3059		
Total	365.26	255			

Linear regression model:

beta\_avg\_power ~ 1 + group\_char\*mean\_UDexc\_mean

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	2.4677	0.34825	7.0859	1.4026e-11
group_char_H2000's	-0.10536	0.49604	-0.2124	0.83196
group_char_H3000's	-0.53659	0.47288	-1.1347	0.25757
mean_UDexc_mean	-3.665	13.981	-0.26214	0.79343
group_char_H2000's:mean_UDexc_mean	-14.664	19.553	-0.74998	0.45397
group_char_H3000's:mean_UDexc_mean	-13.512	18.773	-0.71975	0.47235

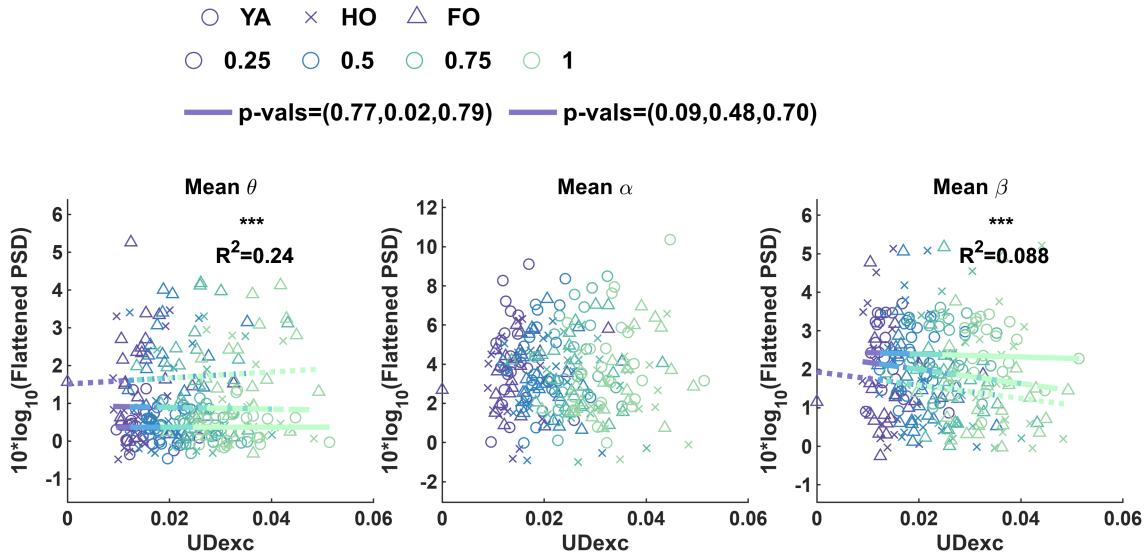
Number of observations: 256, Error degrees of freedom: 250

Root Mean Squared Error: 1.14

R-squared: 0.106, Adjusted R-Squared: 0.0883

F-statistic vs. constant model: 5.94, p-value = 3.28e-05

## CL3: Cuneus\_R



```
###3-theta_avg_power) mean_StanceDur
SumOfSquares      DF      MeanSquares      F      pValue
_____           _____           _____           _____
```

group_char	7.3464	2	3.6732	3.7737	0.024286
mean_StanceDur	0.82543	1	0.82543	0.84801	0.358
group_char:mean_StanceDur	0.54573	2	0.27287	0.28033	0.75577
Error	243.34	250	0.97337		
Total	327.15	255			

Linear regression model:

```
theta_avg_power ~ 1 + group_char*mean_StanceDur
```

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	0.35625	0.26321	1.3535	0.17713
group_char_H2000's	0.25263	0.43462	0.58125	0.5616
group_char_H3000's	1.1629	0.42928	2.7089	0.0072168
mean_StanceDur	0.0087773	0.19652	0.044663	0.96441
group_char_H2000's:mean_StanceDur	0.25909	0.37508	0.69077	0.49035
group_char_H3000's:mean_StanceDur	0.18054	0.3924	0.4601	0.64585

Number of observations: 256, Error degrees of freedom: 250

Root Mean Squared Error: 0.987

R-squared: 0.256, Adjusted R-Squared: 0.241

F-statistic vs. constant model: 17.2, p-value = 1.23e-14

```
##3-alpha_avg_power) mean_StanceDur
```

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	2.5551	2	1.2775	0.3135	0.73117
mean_StanceDur	2.4863	1	2.4863	0.61014	0.43547
group_char:mean_StanceDur	0.94027	2	0.47013	0.11537	0.89108
Error	1018.7	250	4.075		
Total	1066.8	255			

Linear regression model:

```
alpha_avg_power ~ 1 + group_char*mean_StanceDur
```

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	3.4359	0.53856	6.3797	8.5332e-10
group_char_H2000's	-0.69095	0.88928	-0.77697	0.43791
group_char_H3000's	-0.12886	0.87834	-0.1467	0.88348
mean_StanceDur	0.46001	0.40211	1.144	0.25372
group_char_H2000's:mean_StanceDur	-0.20622	0.76745	-0.26872	0.78837
group_char_H3000's:mean_StanceDur	-0.36509	0.80289	-0.45472	0.6497

Number of observations: 256, Error degrees of freedom: 250

Root Mean Squared Error: 2.02

R-squared: 0.045, Adjusted R-Squared: 0.0259

F-statistic vs. constant model: 2.36, p-value = 0.041

```
##3-beta_avg_power) mean_StanceDur
```

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	0.99738	2	0.49869	0.37789	0.6857
mean_StanceDur	0.19928	1	0.19928	0.15101	0.6979
group_char:mean_StanceDur	1.44443	2	0.72215	0.54722	0.57925
Error	329.92	250	1.3197		
Total	365.26	255			

Linear regression model:

```
beta_avg_power ~ 1 + group_char*mean_StanceDur
```

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	2.246	0.30648	7.3285	3.2125e-12
group_char_H2000's	-0.34904	0.50607	-0.68972	0.49101
group_char_H3000's	-0.37363	0.49984	-0.74749	0.45547
mean_StanceDur	0.11023	0.22883	0.48174	0.63042
group_char_H2000's:mean_StanceDur	-0.083282	0.43673	-0.19069	0.84892
group_char_H3000's:mean_StanceDur	-0.47638	0.45691	-1.0426	0.29813

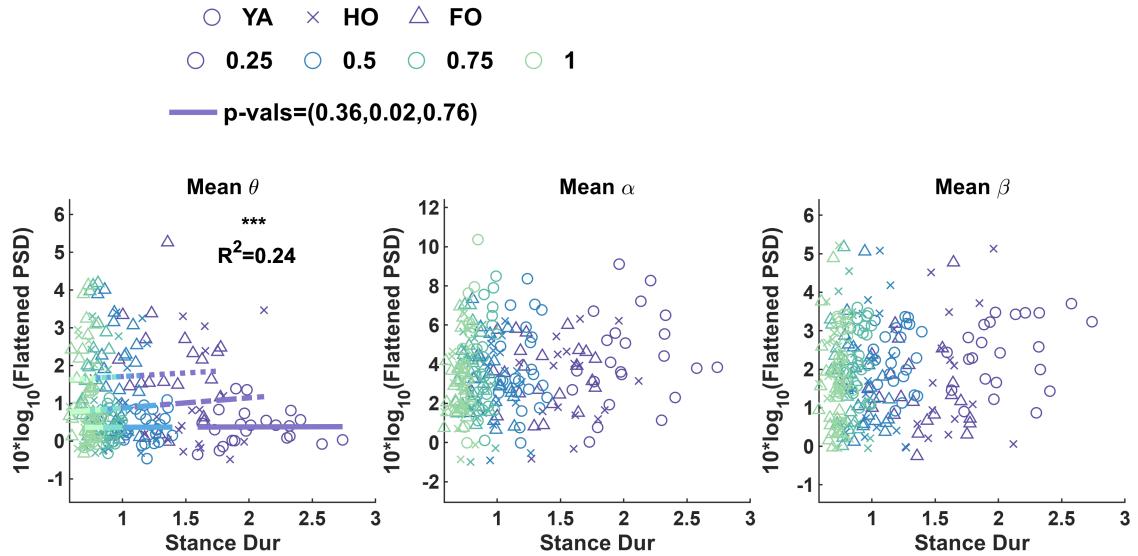
Number of observations: 256, Error degrees of freedom: 250

Root Mean Squared Error: 1.15

R-squared: 0.0968, Adjusted R-Squared: 0.0787

F-statistic vs. constant model: 5.36, p-value = 0.000107

### CL3: Cuneus\_R



```
###3-theta_avg_power) mean_GaitCycleDur
SumOfSquares      DF      MeanSquares      F      pValue
_____           _____           _____           _____
```

group_char	4.7783	2	2.3891	2.4533	0.088074
mean_GaitCycleDur	0.72405	1	0.72405	0.74351	0.38937
group_char:mean_GaitCycleDur	0.5087	2	0.25435	0.26119	0.77035
Error	243.46	250	0.97383		
Total	327.15	255			

Linear regression model:

theta\_avg\_power ~ 1 + group\_char\*mean\_GaitCycleDur

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	0.36569	0.31394	1.1648	0.24519
group_char_H2000's	0.20937	0.52628	0.39784	0.69109
group_char_H3000's	1.1114	0.51135	2.1734	0.03069
mean_GaitCycleDur	0.00076124	0.16349	0.0046562	0.99629
group_char_H2000's:mean_GaitCycleDur	0.20176	0.31388	0.6428	0.52094
group_char_H3000's:mean_GaitCycleDur	0.15755	0.32259	0.48838	0.62571

Number of observations: 256, Error degrees of freedom: 250

Root Mean Squared Error: 0.987

R-squared: 0.256, Adjusted R-Squared: 0.241

F-statistic vs. constant model: 17.2, p-value = 1.3e-14

##3-alpha\_avg\_power) mean\_GaitCycleDur

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	2.8797	2	1.4398	0.35287	0.70301
mean_GaitCycleDur	1.4084	1	1.4084	0.34516	0.5574
group_char:mean_GaitCycleDur	1.4582	2	0.72912	0.17869	0.83647
Error	1020.1	250	4.0803		
Total	1066.8	255			

Linear regression model:

alpha\_avg\_power ~ 1 + group\_char\*mean\_GaitCycleDur

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	3.4232	0.64262	5.3269	2.2278e-07
group_char_H2000's	-0.81008	1.0773	-0.75197	0.45278
group_char_H3000's	0.076551	1.0467	0.073135	0.94176
mean_GaitCycleDur	0.31958	0.33465	0.95497	0.34052
group_char_H2000's:mean_GaitCycleDur	-0.061874	0.64249	-0.096303	0.92336
group_char_H3000's:mean_GaitCycleDur	-0.39256	0.66032	-0.5945	0.55271

Number of observations: 256, Error degrees of freedom: 250

Root Mean Squared Error: 2.02

R-squared: 0.0437, Adjusted R-Squared: 0.0246

F-statistic vs. constant model: 2.29, p-value = 0.0466

##3-beta\_avg\_power) mean\_GaitCycleDur

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	0.51647	2	0.25823	0.19611	0.82205
mean_GaitCycleDur	0.59835	1	0.59835	0.4544	0.50088
group_char:mean_GaitCycleDur	2.0449	2	1.0224	0.77646	0.46114
Error	329.2	250	1.3168		
Total	365.26	255			

Linear regression model:

beta\_avg\_power ~ 1 + group\_char\*mean\_GaitCycleDur

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	2.2778	0.36506	6.2396	1.8632e-09
group_char_H2000's	-0.37862	0.61198	-0.61868	0.53669
group_char_H3000's	-0.18854	0.59462	-0.31708	0.75144
mean_GaitCycleDur	0.057374	0.19011	0.3018	0.76306
group_char_H2000's:mean_GaitCycleDur	-0.04072	0.36499	-0.11157	0.91126
group_char_H3000's:mean_GaitCycleDur	-0.46011	0.37512	-1.2266	0.22113

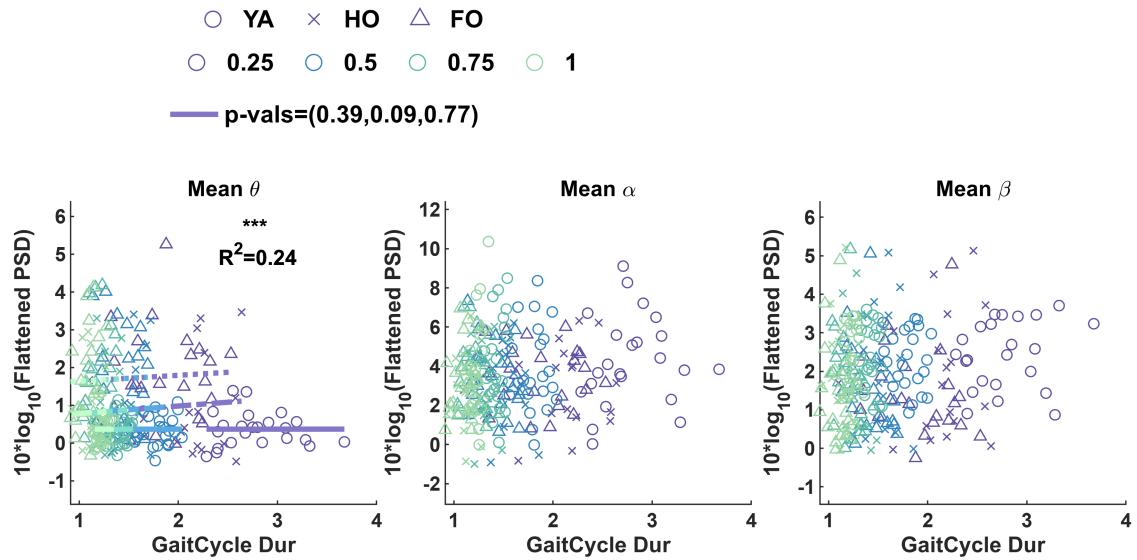
Number of observations: 256, Error degrees of freedom: 250

Root Mean Squared Error: 1.15

R-squared: 0.0987, Adjusted R-Squared: 0.0807

F-statistic vs. constant model: 5.48, p-value = 8.38e-05

## CL3: Cuneus\_R



##3-theta_avg_power) mean_PeakUpDownVel_mean	SumOfSquares	DF	MeanSquares	F	pValue
	—————	—————	—————	—————	—————

group_char	13.107	2	6.5536	6.7275	0.0014263
mean_PeakUpDownVel_mean	0.064861	1	0.064861	0.066581	0.79659
group_char:mean_PeakUpDownVel_mean	0.73584	2	0.36792	0.37768	0.68584
Error	243.54	250	0.97416		
Total	327.15	255			

Linear regression model:

theta\_avg\_power ~ 1 + group\_char\*mean\_PeakUpDownVel\_mean

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	0.35245	0.24604	1.4325	0.15325
group_char_H2000's	0.72879	0.36259	2.01	0.04551
group_char_H3000's	1.2713	0.34766	3.6567	0.00031151
mean_PeakUpDownVel_mean	0.062406	0.95395	0.065418	0.94789
group_char_H2000's:mean_PeakUpDownVel_mean	-0.84381	1.339	-0.63018	0.52915
group_char_H3000's:mean_PeakUpDownVel_mean	0.24093	1.3085	0.18413	0.85406

Number of observations: 256, Error degrees of freedom: 250

Root Mean Squared Error: 0.987

R-squared: 0.256, Adjusted R-Squared: 0.241

F-statistic vs. constant model: 17.2, p-value = 1.36e-14

##3-alpha\_avg\_power) mean\_PeakUpDownVel\_mean

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	1.8583	2	0.92916	0.22826	0.79608
mean_PeakUpDownVel_mean	0.59164	1	0.59164	0.14534	0.70335
group_char:mean_PeakUpDownVel_mean	6.547	2	3.2735	0.80417	0.44861
Error	1017.7	250	4.0707		
Total	1066.8	255			

Linear regression model:

alpha\_avg\_power ~ 1 + group\_char\*mean\_PeakUpDownVel\_mean

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	3.8051	0.50295	7.5657	7.3819e-13
group_char_H2000's	-0.19452	0.74119	-0.26244	0.7932
group_char_H3000's	-0.47767	0.71067	-0.67215	0.50211
mean_PeakUpDownVel_mean	0.84446	1.95	0.43305	0.66535
group_char_H2000's:mean_PeakUpDownVel_mean	-3.2248	2.7371	-1.1782	0.23986
group_char_H3000's:mean_PeakUpDownVel_mean	-0.56401	2.6747	-0.21087	0.83316

Number of observations: 256, Error degrees of freedom: 250

Root Mean Squared Error: 2.02

R-squared: 0.046, Adjusted R-Squared: 0.0269

F-statistic vs. constant model: 2.41, p-value = 0.0369

##3-beta\_avg\_power) mean\_PeakUpDownVel\_mean

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	3.0426	2	1.5213	1.1545	0.31688
mean_PeakUpDownVel_mean	1.0906	1	1.0906	0.82764	0.36383
group_char:mean_PeakUpDownVel_mean	0.77909	2	0.38954	0.29563	0.74432
Error	329.42	250	1.3177		
Total	365.26	255			

Linear regression model:

beta\_avg\_power ~ 1 + group\_char\*mean\_PeakUpDownVel\_mean

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	2.3539	0.28615	8.2261	1.0658e-14
group_char_H2000's	-0.19625	0.4217	-0.46538	0.64207
group_char_H3000's	-0.60339	0.40433	-1.4923	0.13688
mean_PeakUpDownVel_mean	0.11957	1.1095	0.10778	0.91426
group_char_H2000's:mean_PeakUpDownVel_mean	-1.0341	1.5573	-0.66406	0.50726
group_char_H3000's:mean_PeakUpDownVel_mean	-1.029	1.5218	-0.67619	0.49955

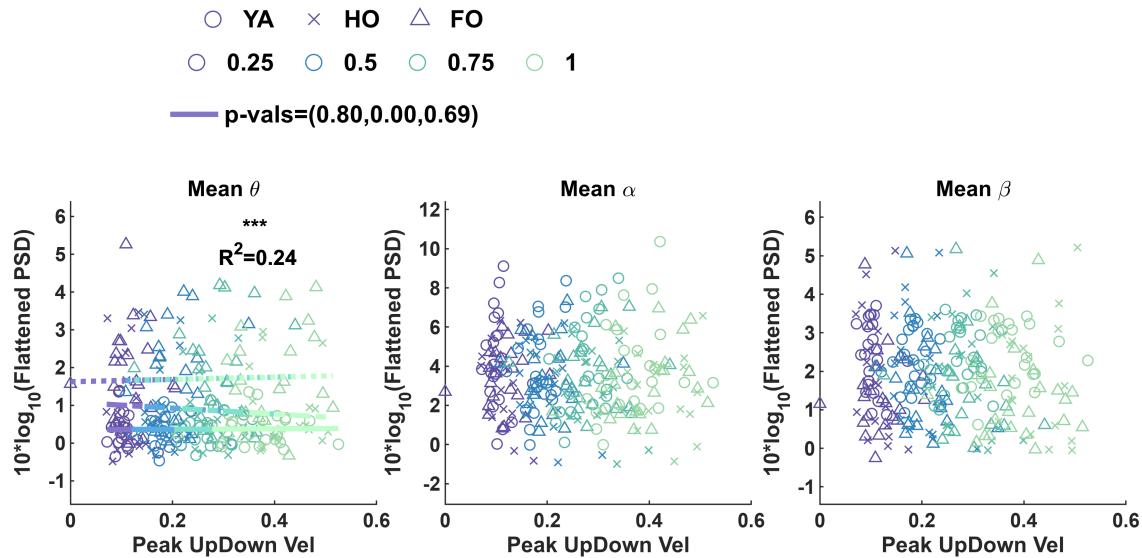
Number of observations: 256, Error degrees of freedom: 250

Root Mean Squared Error: 1.15

R-squared: 0.0981, Adjusted R-Squared: 0.0801

F-statistic vs. constant model: 5.44, p-value = 9.04e-05

## CL3: Cuneus\_R



```
###4-theta_avg_power) mean_APexc_COV
SumOfSquares      DF      MeanSquares      F      pValue
```

group_char	2.468	2	1.234	1.4308	0.24162
mean_APexc_COV	3.0217	1	3.0217	3.5037	0.062735
group_char:mean_APexc_COV	0.69693	2	0.34846	0.40405	0.66817
Error	167.31	194	0.86243		
Total	192.9	199			

Linear regression model:

```
theta_avg_power ~ 1 + group_char*mean_APexc_COV
```

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	2.0221	0.44452	4.549	9.4878e-06
group_char_H2000's	-0.89442	0.7123	-1.2557	0.21074
group_char_H3000's	-0.95404	0.60206	-1.5846	0.11468
mean_APexc_COV	-0.043132	0.027257	-1.5824	0.11518
group_char_H2000's:mean_APexc_COV	0.032277	0.036812	0.87683	0.38166
group_char_H3000's:mean_APexc_COV	0.022437	0.0313	0.71684	0.47433

Number of observations: 200, Error degrees of freedom: 194

Root Mean Squared Error: 0.929

R-squared: 0.133, Adjusted R-Squared: 0.11

F-statistic vs. constant model: 5.93, p-value = 3.94e-05

```
##4-alpha_avg_power) mean_APexc_COV
```

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	12.341	2	6.1707	2.3505	0.098029
mean_APexc_COV	3.0065	1	3.0065	1.1452	0.28588
group_char:mean_APexc_COV	18.552	2	9.2761	3.5334	0.031099
Error	509.3	194	2.6253		
Total	548.34	199			

Linear regression model:

```
alpha_avg_power ~ 1 + group_char*mean_APexc_COV
```

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	2.4383	0.77556	3.1439	0.0019291
group_char_H2000's	-0.052597	1.2428	-0.042323	0.96628
group_char_H3000's	-2.0414	1.0504	-1.9434	0.053409
mean_APexc_COV	-0.091054	0.047555	-1.9147	0.057002
group_char_H2000's:mean_APexc_COV	0.061452	0.064225	0.95681	0.33985
group_char_H3000's:mean_APexc_COV	0.13722	0.05461	2.5127	0.012796

Number of observations: 200, Error degrees of freedom: 194

Root Mean Squared Error: 1.62

R-squared: 0.0712, Adjusted R-Squared: 0.0472

F-statistic vs. constant model: 2.97, p-value = 0.0131

```
##4-beta_avg_power) mean_APexc_COV
```

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	3.9803	2	1.9901	1.3276	0.2675
mean_APexc_COV	0.16574	1	0.16574	0.11057	0.73986
group_char:mean_APexc_COV	3.1617	2	1.5809	1.0546	0.35032
Error	290.81	194	1.499		
Total	319.08	199			

Linear regression model:

```
beta_avg_power ~ 1 + group_char*mean_APexc_COV
```

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	1.1922	0.58605	2.0344	0.043276
group_char_H2000's	-0.17187	0.93908	-0.18302	0.85497
group_char_H3000's	1.0737	0.79375	1.3527	0.17772
mean_APexc_COV	-0.0045367	0.035935	-0.12625	0.89967
group_char_H2000's:mean_APexc_COV	0.0434	0.048532	0.89426	0.37229
group_char_H3000's:mean_APexc_COV	-0.012299	0.041266	-0.29805	0.76598

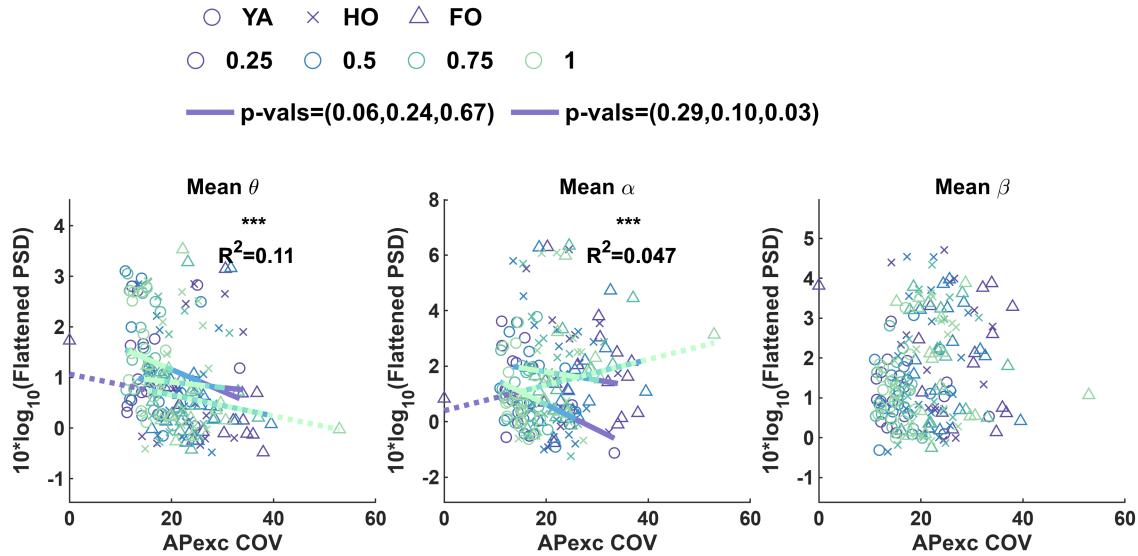
Number of observations: 200, Error degrees of freedom: 194

Root Mean Squared Error: 1.22

R-squared: 0.0886, Adjusted R-Squared: 0.0651

F-statistic vs. constant model: 3.77, p-value = 0.00278

## CL4: Precentral\_L



##4-theta_avg_power) mean_APexc_mean	SumOfSquares	DF	MeanSquares	F	pValue
	_____	_____	_____	_____	_____

group_char	2.1369	2	1.0684	1.2186	0.29788
mean_APexc_mean	0.0032884	1	0.0032884	0.0037506	0.95123
group_char:mean_APexc_mean	1.1087	2	0.55434	0.63227	0.53247
Error	170.09	194	0.87675		
Total	192.9	199			

Linear regression model:

theta\_avg\_power ~ 1 + group\_char\*mean\_APexc\_mean

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	1.4165	0.40642	3.4853	0.00060767
group_char_H2000's	-0.81992	0.54664	-1.4999	0.13526
group_char_H3000's	-0.64205	0.53047	-1.2103	0.22763
mean_APexc_mean	-1.3932	7.1523	-0.19479	0.84576
group_char_H2000's:mean_APexc_mean	8.0658	10.662	0.75653	0.45025
group_char_H3000's:mean_APexc_mean	-4.7222	11.126	-0.42442	0.67173

Number of observations: 200, Error degrees of freedom: 194

Root Mean Squared Error: 0.936

R-squared: 0.118, Adjusted R-Squared: 0.0955

F-statistic vs. constant model: 5.2, p-value = 0.000166

##4-alpha\_avg\_power) mean\_APexc\_mean

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	9.5875	2	4.7937	1.9153	0.15007
mean_APexc_mean	21.2	1	21.2	8.4702	0.0040323
group_char:mean_APexc_mean	25.25	2	12.625	5.0443	0.0073175
Error	485.56	194	2.5029		
Total	548.34	199			

Linear regression model:

alpha\_avg\_power ~ 1 + group\_char\*mean\_APexc\_mean

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	1.4606	0.68669	2.127	0.034687
group_char_H2000's	-1.8067	0.92361	-1.9561	0.051889
group_char_H3000's	-0.95053	0.89629	-1.0605	0.29023
mean_APexc_mean	-8.4393	12.084	-0.69836	0.48579
group_char_H2000's:mean_APexc_mean	55.938	18.014	3.1053	0.0021858
group_char_H3000's:mean_APexc_mean	36.499	18.799	1.9416	0.053639

Number of observations: 200, Error degrees of freedom: 194

Root Mean Squared Error: 1.58

R-squared: 0.114, Adjusted R-Squared: 0.0917

F-statistic vs. constant model: 5.02, p-value = 0.000241

##4-beta\_avg\_power) mean\_APexc\_mean

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	1.5633	2	0.78166	0.54087	0.58312
mean_APexc_mean	5.5853	1	5.5853	3.8647	0.050739
group_char:mean_APexc_mean	9.6761	2	4.838	3.3477	0.037209
Error	280.37	194	1.4452		
Total	319.08	199			

Linear regression model:

beta\_avg\_power ~ 1 + group\_char\*mean\_APexc\_mean

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	1.6072	0.5218	3.08	0.0023702
group_char_H2000's	-0.68735	0.70183	-0.97936	0.32862
group_char_H3000's	-0.57593	0.68107	-0.84563	0.3988
mean_APexc_mean	-8.8981	9.1827	-0.969	0.33375
group_char_H2000's:mean_APexc_mean	30.713	13.688	2.2438	0.025977
group_char_H3000's:mean_APexc_mean	30.432	14.285	2.1303	0.034404

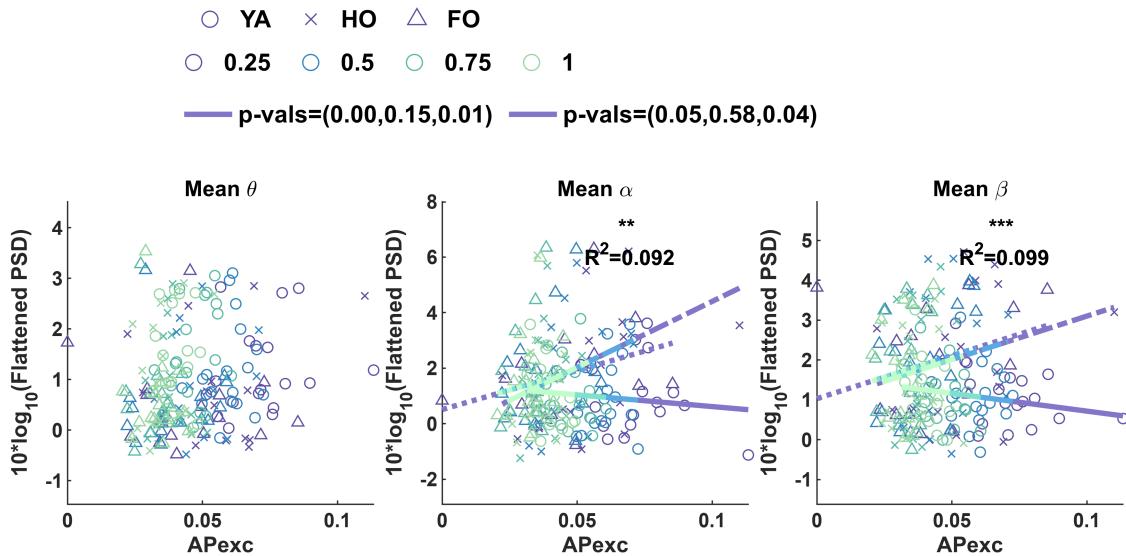
Number of observations: 200, Error degrees of freedom: 194

Root Mean Squared Error: 1.2

R-squared: 0.121, Adjusted R-Squared: 0.0987

F-statistic vs. constant model: 5.36, p-value = 0.000123

## CL4: Precentral\_L



```
##4-theta_avg_power) mean_MLexc_COV
SumOfSquares   DF    MeanSquares      F      pValue
_____        _____        _____        _____
```

group_char	1.4952	2	0.74761	0.86474	0.42278
mean_MLexc_COV	2.7837	1	2.7837	3.2198	0.074309
group_char:mean_MLexc_COV	0.29142	2	0.14571	0.16854	0.84502
Error	167.72	194	0.86455		
Total	192.9	199			

Linear regression model:

```
theta_avg_power ~ 1 + group_char*mean_MLexc_COV
```

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	0.82124	0.33743	2.4338	0.015848
group_char_H2000's	-0.12911	0.48892	-0.26406	0.79201
group_char_H3000's	-0.63713	0.50386	-1.2645	0.20757
mean_MLexc_COV	0.033294	0.02047	1.6265	0.10547
group_char_H2000's:mean_MLexc_COV	-0.018666	0.032191	-0.57986	0.56268
group_char_H3000's:mean_MLexc_COV	-0.0066631	0.0333	-0.20009	0.84162

Number of observations: 200, Error degrees of freedom: 194

Root Mean Squared Error: 0.93

R-squared: 0.131, Adjusted R-Squared: 0.108

F-statistic vs. constant model: 5.83, p-value = 4.89e-05

```
##4-alpha_avg_power) mean_MLexc_COV
```

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	15.014	2	7.5071	2.8646	0.059418
mean_MLexc_COV	0.030973	1	0.030973	0.011819	0.91354
group_char:mean_MLexc_COV	18.81	2	9.4049	3.5888	0.029481
Error	508.4	194	2.6206		
Total	548.34	199			

Linear regression model:

```
alpha_avg_power ~ 1 + group_char*mean_MLexc_COV
```

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	1.7852	0.58748	3.0387	0.0027037
group_char_H2000's	0.62329	0.85123	0.73222	0.46492
group_char_H3000's	-1.4759	0.87724	-1.6824	0.094101
mean_MLexc_COV	-0.050422	0.035638	-1.4148	0.15872
group_char_H2000's:mean_MLexc_COV	0.0003094	0.056046	0.0055204	0.9956
group_char_H3000's:mean_MLexc_COV	0.14309	0.057976	2.4681	0.014448

Number of observations: 200, Error degrees of freedom: 194

Root Mean Squared Error: 1.62

R-squared: 0.0728, Adjusted R-Squared: 0.0489

F-statistic vs. constant model: 3.05, p-value = 0.0113

```
##4-beta_avg_power) mean_MLexc_COV
```

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	0.40988	2	0.20494	0.13596	0.87296
mean_MLexc_COV	0.18058	1	0.18058	0.1198	0.72963
group_char:mean_MLexc_COV	1.5357	2	0.76783	0.50938	0.60167
Error	292.43	194	1.5074		
Total	319.08	199			

Linear regression model:

```
beta_avg_power ~ 1 + group_char*mean_MLexc_COV
```

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	1.3888	0.44556	3.1171	0.0021042
group_char_H2000's	0.3333	0.64559	0.51627	0.60625
group_char_H3000's	0.11549	0.66532	0.17358	0.86237
mean_MLexc_COV	-0.017209	0.027029	-0.63669	0.52508
group_char_H2000's:mean_MLexc_COV	0.028602	0.042506	0.67288	0.50183
group_char_H3000's:mean_MLexc_COV	0.042013	0.04397	0.95549	0.34052

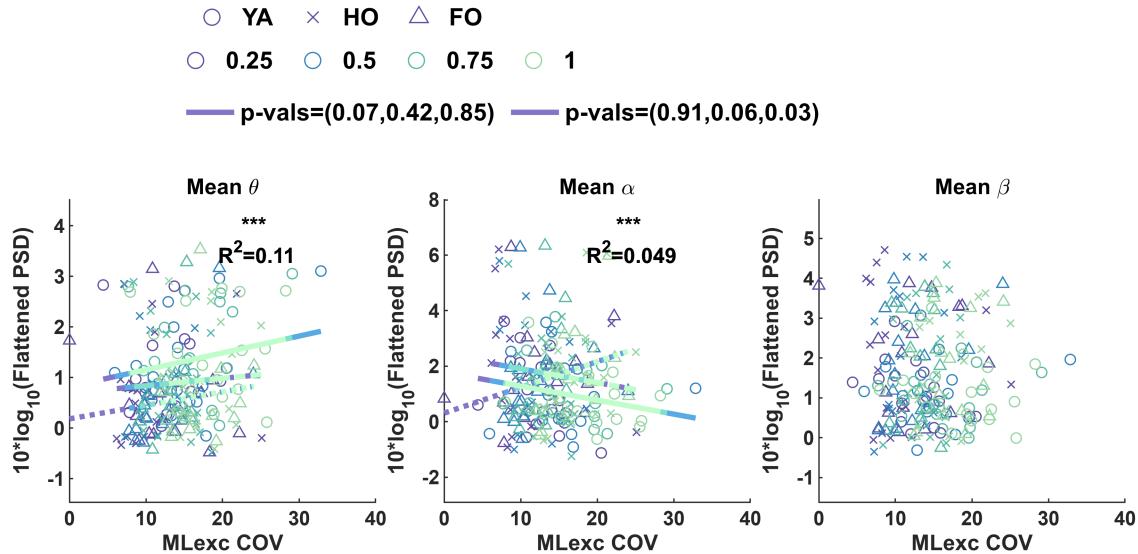
Number of observations: 200, Error degrees of freedom: 194

Root Mean Squared Error: 1.23

R-squared: 0.0835, Adjusted R-Squared: 0.0599

F-statistic vs. constant model: 3.54, p-value = 0.00441

## CL4: Precentral\_L



```
##4-theta_avg_power) mean_MLexc_mean
SumOfSquares      DF      MeanSquares      F      pValue
_____           _____           _____           _____
```

group_char	4.1154	2	2.0577	2.3384	0.099196
mean_MLexc_mean	0.22523	1	0.22523	0.25596	0.61349
group_char:mean_MLexc_mean	0.21592	2	0.10796	0.12269	0.88461
Error	170.71	194	0.87996		
Total	192.9	199			

Linear regression model:

theta\_avg\_power ~ 1 + group\_char\*mean\_MLexc\_mean

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	1.481	0.32661	4.5344	1.0099e-05
group_char_H2000's	-0.43528	0.44173	-0.98539	0.32566
group_char_H3000's	-0.9683	0.44972	-2.1531	0.032545
mean_MLexc_mean	-1.8074	3.9497	-0.45762	0.64774
group_char_H2000's:mean_MLexc_mean	0.11041	4.9344	0.022375	0.98217
group_char_H3000's:mean_MLexc_mean	2.2138	5.3619	0.41288	0.68015

Number of observations: 200, Error degrees of freedom: 194

Root Mean Squared Error: 0.938

R-squared: 0.115, Adjusted R-Squared: 0.0922

F-statistic vs. constant model: 5.04, p-value = 0.000228

##4-alpha\_avg\_power) mean\_MLexc\_mean

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	5.5696	2	2.7848	1.0693	0.34527
mean_MLexc_mean	2.8093	1	2.8093	1.0787	0.30028
group_char:mean_MLexc_mean	15.536	2	7.7678	2.9826	0.052989
Error	505.25	194	2.6044		
Total	548.34	199			

Linear regression model:

alpha\_avg\_power ~ 1 + group\_char\*mean\_MLexc\_mean

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	1.5435	0.56189	2.747	0.0065812
group_char_H2000's	-1.0679	0.75994	-1.4053	0.16154
group_char_H3000's	-0.31971	0.77369	-0.41323	0.6799
mean_MLexc_mean	-6.9972	6.7948	-1.0298	0.3044
group_char_H2000's:mean_MLexc_mean	20.62	8.489	2.4291	0.01605
group_char_H3000's:mean_MLexc_mean	11.313	9.2245	1.2264	0.22154

Number of observations: 200, Error degrees of freedom: 194

Root Mean Squared Error: 1.61

R-squared: 0.0786, Adjusted R-Squared: 0.0548

F-statistic vs. constant model: 3.31, p-value = 0.00685

##4-beta\_avg\_power) mean\_MLexc\_mean

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	0.077444	2	0.038722	0.025976	0.97436
mean_MLexc_mean	1.5789	1	1.5789	1.0592	0.30469
group_char:mean_MLexc_mean	2.3409	2	1.1705	0.78519	0.45748
Error	289.19	194	1.4907		
Total	319.08	199			

Linear regression model:

beta\_avg\_power ~ 1 + group\_char\*mean\_MLexc\_mean

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	1.2955	0.4251	3.0476	0.0026283
group_char_H2000's	0.11233	0.57494	0.19538	0.8453
group_char_H3000's	0.11937	0.58534	0.20394	0.83861
mean_MLexc_mean	-2.2488	5.1407	-0.43746	0.66227
group_char_H2000's:mean_MLexc_mean	7.3083	6.4224	1.1379	0.25655
group_char_H3000's:mean_MLexc_mean	7.6408	6.9788	1.0949	0.27494

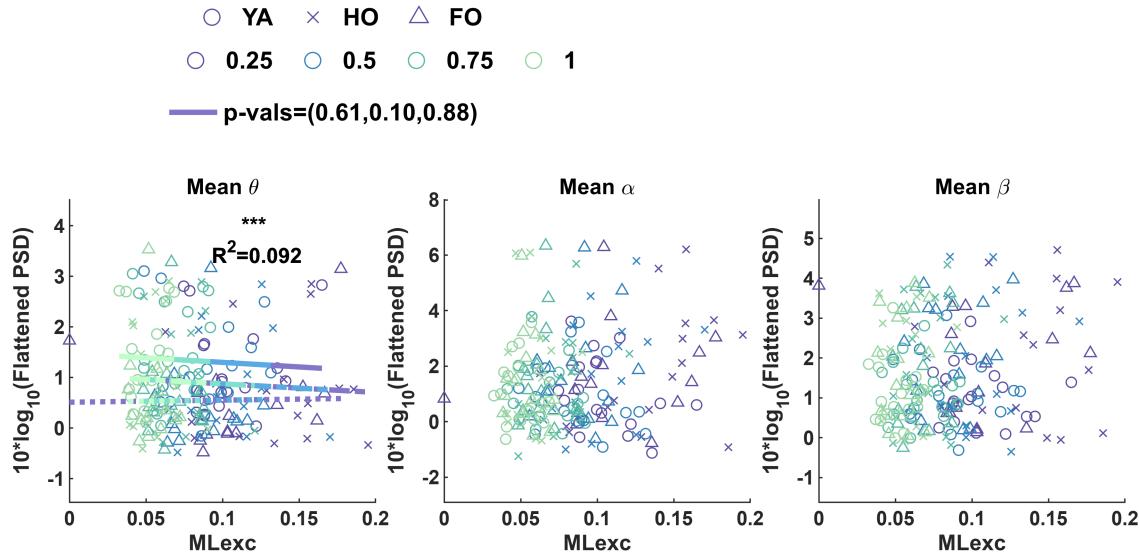
Number of observations: 200, Error degrees of freedom: 194

Root Mean Squared Error: 1.22

R-squared: 0.0937, Adjusted R-Squared: 0.0703

F-statistic vs. constant model: 4.01, p-value = 0.00174

## CL4: Precentral\_L



##4-theta_avg_power) mean_StepDur	SumOfSquares	DF	MeanSquares	F	pValue
	_____	___	_____	_____	_____

group_char	3.3402	2	1.6701	1.8968	0.15283
mean_StepDur	0.0021064	1	0.0021064	0.0023922	0.96104
group_char:mean_StepDur	0.31124	2	0.15562	0.17674	0.83813
Error	170.82	194	0.8805		
Total	192.9	199			

Linear regression model:

theta\_avg\_power ~ 1 + group\_char\*mean\_StepDur

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	1.4508	0.32989	4.3979	1.7998e-05
group_char_H2000's	-0.41265	0.54262	-0.76048	0.44789
group_char_H3000's	-1.0891	0.55949	-1.9465	0.053035
mean_StepDur	-0.11967	0.33664	-0.35548	0.72261
group_char_H2000's:mean_StepDur	-0.076863	0.64121	-0.11987	0.90471
group_char_H3000's:mean_StepDur	0.39129	0.73004	0.53599	0.59258

Number of observations: 200, Error degrees of freedom: 194

Root Mean Squared Error: 0.938

R-squared: 0.114, Adjusted R-Squared: 0.0917

F-statistic vs. constant model: 5.02, p-value = 0.00024

##4-alpha\_avg\_power) mean\_StepDur

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	3.3486	2	1.6743	0.64248	0.5271
mean_StepDur	16.901	1	16.901	6.4853	0.011653
group_char:mean_StepDur	12.988	2	6.4939	2.4919	0.085399
Error	505.56	194	2.606		
Total	548.34	199			

Linear regression model:

alpha\_avg\_power ~ 1 + group\_char\*mean\_StepDur

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	0.92212	0.56753	1.6248	0.10583
group_char_H2000's	-1.0566	0.9335	-1.1318	0.2591
group_char_H3000's	-0.33457	0.96254	-0.34759	0.72853
mean_StepDur	0.083296	0.57915	0.14383	0.88579
group_char_H2000's:mean_StepDur	2.377	1.1031	2.1548	0.032411
group_char_H3000's:mean_StepDur	1.3664	1.2559	1.088	0.27796

Number of observations: 200, Error degrees of freedom: 194

Root Mean Squared Error: 1.61

R-squared: 0.078, Adjusted R-Squared: 0.0542

F-statistic vs. constant model: 3.28, p-value = 0.00721

##4-beta\_avg\_power) mean\_StepDur

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	0.022969	2	0.011485	0.0076748	0.99235
mean_StepDur	2.6492	1	2.6492	1.7704	0.18489
group_char:mean_StepDur	2.8615	2	1.4307	0.95612	0.38619
Error	290.3	194	1.4964		
Total	319.08	199			

Linear regression model:

beta\_avg\_power ~ 1 + group\_char\*mean\_StepDur

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	1.2342	0.43005	2.87	0.0045607
group_char_H2000's	0.065612	0.70738	0.092753	0.9262
group_char_H3000's	-0.031677	0.72938	-0.04343	0.9654
mean_StepDur	-0.12316	0.43886	-0.28063	0.77929
group_char_H2000's:mean_StepDur	0.88082	0.83591	1.0537	0.29332
group_char_H3000's:mean_StepDur	1.0697	0.95171	1.124	0.26242

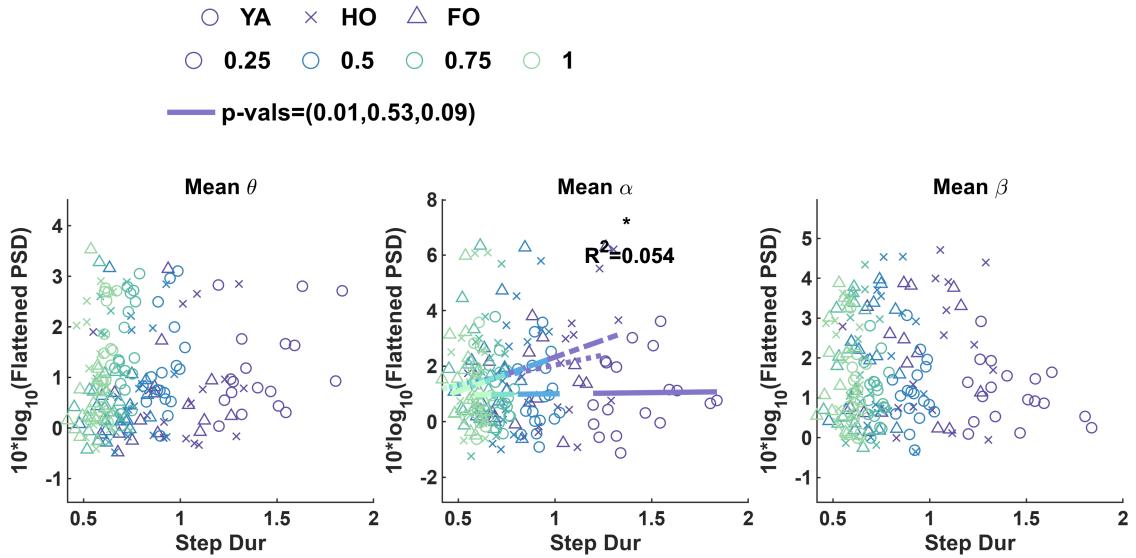
Number of observations: 200, Error degrees of freedom: 194

Root Mean Squared Error: 1.22

R-squared: 0.0902, Adjusted R-Squared: 0.0668

F-statistic vs. constant model: 3.85, p-value = 0.0024

## CL4: Precentral\_L



```
###4-theta_avg_power) mean_UDexc_COV
SumOfSquares      DF      MeanSquares      F      pValue
_____           _____           _____           _____
```

group_char	5.9378	2	2.9689	3.4549	0.033547
mean_UDexc_COV	2.5003	1	2.5003	2.9095	0.089658
group_char:mean_UDexc_COV	2.4604	2	1.2302	1.4316	0.24144
Error	166.71	194	0.85933		
Total	192.9	199			

Linear regression model:

theta\_avg\_power ~ 1 + group\_char\*mean\_UDexc\_COV

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	1.8138	0.29866	6.0732	6.4932e-09
group_char_H2000's	-1.0193	0.41022	-2.4847	0.013812
group_char_H3000's	-0.8544	0.42585	-2.0064	0.046207
mean_UDexc_COV	-0.037912	0.022256	-1.7034	0.090086
group_char_H2000's:mean_UDexc_COV	0.044996	0.029421	1.5294	0.1278
group_char_H3000's:mean_UDexc_COV	0.0075045	0.030307	0.24761	0.8047

Number of observations: 200, Error degrees of freedom: 194

Root Mean Squared Error: 0.927

R-squared: 0.136, Adjusted R-Squared: 0.114

F-statistic vs. constant model: 6.1, p-value = 2.87e-05

##4-alpha\_avg\_power) mean\_UDexc\_COV

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	16.54	2	8.2699	3.1735	0.044036
mean_UDexc_COV	0.23325	1	0.23325	0.089507	0.76512
group_char:mean_UDexc_COV	22.206	2	11.103	4.2607	0.015455
Error	505.54	194	2.6059		
Total	548.34	199			

Linear regression model:

alpha\_avg\_power ~ 1 + group\_char\*mean\_UDexc\_COV

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	1.7241	0.52009	3.315	0.0010936
group_char_H2000's	0.54382	0.71436	0.76127	0.44742
group_char_H3000's	-1.243	0.74157	-1.6762	0.095314
mean_UDexc_COV	-0.058055	0.038756	-1.498	0.13577
group_char_H2000's:mean_UDexc_COV	0.017991	0.051233	0.35117	0.72584
group_char_H3000's:mean_UDexc_COV	0.13747	0.052777	2.6048	0.0099062

Number of observations: 200, Error degrees of freedom: 194

Root Mean Squared Error: 1.61

R-squared: 0.078, Adjusted R-Squared: 0.0543

F-statistic vs. constant model: 3.28, p-value = 0.00718

##4-beta\_avg\_power) mean\_UDexc\_COV

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	5.0029	2	2.5014	1.6804	0.189
mean_UDexc_COV	3.0167	1	3.0167	2.0265	0.15618
group_char:mean_UDexc_COV	2.5014	2	1.2507	0.8402	0.43319
Error	288.79	194	1.4886		
Total	319.08	199			

Linear regression model:

beta\_avg\_power ~ 1 + group\_char\*mean\_UDexc\_COV

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	1.4327	0.39309	3.6449	0.00034348
group_char_H2000's	0.40642	0.53991	0.75276	0.45251
group_char_H3000's	1.021	0.56048	1.8216	0.070055
mean_UDexc_COV	-0.024998	0.029292	-0.8534	0.39449
group_char_H2000's:mean_UDexc_COV	0.027717	0.038722	0.7158	0.47498
group_char_H3000's:mean_UDexc_COV	-0.019986	0.039889	-0.50103	0.61692

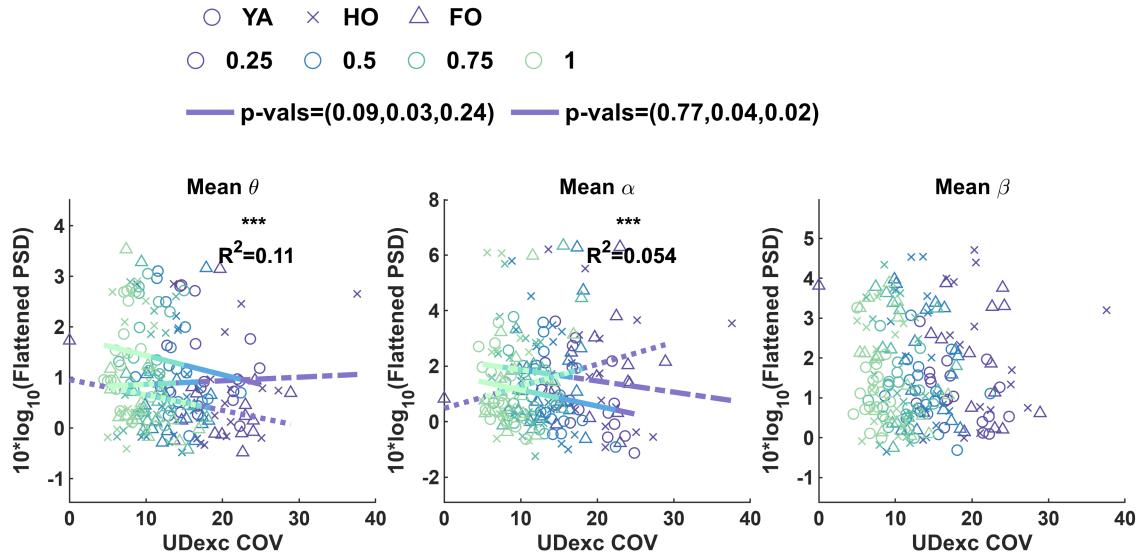
Number of observations: 200, Error degrees of freedom: 194

Root Mean Squared Error: 1.22

R-squared: 0.0949, Adjusted R-Squared: 0.0716

F-statistic vs. constant model: 4.07, p-value = 0.00155

## CL4: Precentral\_L



##4-theta_avg_power) mean_UDexc_mean	SumOfSquares	DF	MeanSquares	F	pValue
	_____	_____	_____	_____	_____

group_char	1.0288	2	0.51439	0.59524	0.55244
mean_UDexc_mean	3.2516	1	3.2516	3.7626	0.053861
group_char:mean_UDexc_mean	0.48586	2	0.24293	0.28111	0.75525
Error	167.65	194	0.86419		
Total	192.9	199			

Linear regression model:

theta\_avg\_power ~ 1 + group\_char\*mean\_UDexc\_mean

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	0.87053	0.33783	2.5768	0.010714
group_char_H2000's	-0.33874	0.45512	-0.74428	0.45761
group_char_H3000's	-0.49331	0.45895	-1.0749	0.28377
mean_UDexc_mean	20.716	14.092	1.4701	0.14315
group_char_H2000's:mean_UDexc_mean	-5.8821	18.324	-0.321	0.74856
group_char_H3000's:mean_UDexc_mean	-13.691	18.562	-0.73756	0.46167

Number of observations: 200, Error degrees of freedom: 194

Root Mean Squared Error: 0.93

R-squared: 0.131, Adjusted R-Squared: 0.109

F-statistic vs. constant model: 5.84, p-value = 4.71e-05

##4-alpha\_avg\_power) mean\_UDexc\_mean

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	2.4026	2	1.2013	0.44525	0.64132
mean_UDexc_mean	1.1224	1	1.1224	0.41602	0.51969
group_char:mean_UDexc_mean	3.0667	2	1.5333	0.56831	0.56742
Error	523.42	194	2.698		
Total	548.34	199			

Linear regression model:

alpha\_avg\_power ~ 1 + group\_char\*mean\_UDexc\_mean

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	0.94281	0.59693	1.5794	0.11586
group_char_H2000's	0.15633	0.80418	0.1944	0.84607
group_char_H3000's	0.71332	0.81094	0.87961	0.38016
mean_UDexc_mean	2.4788	24.899	0.099554	0.9208
group_char_H2000's:mean_UDexc_mean	23.912	32.378	0.73853	0.46109
group_char_H3000's:mean_UDexc_mean	-6.3337	32.799	-0.19311	0.84708

Number of observations: 200, Error degrees of freedom: 194

Root Mean Squared Error: 1.64

R-squared: 0.0454, Adjusted R-Squared: 0.0208

F-statistic vs. constant model: 1.85, p-value = 0.106

##4-beta\_avg\_power) mean\_UDexc\_mean

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	5.8311	2	2.9155	1.9376	0.14682
mean_UDexc_mean	0.13201	1	0.13201	0.08773	0.7674
group_char:mean_UDexc_mean	1.8825	2	0.94125	0.62555	0.53604
Error	291.91	194	1.5047		
Total	319.08	199			

Linear regression model:

beta\_avg\_power ~ 1 + group\_char\*mean\_UDexc\_mean

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	1.1008	0.44578	2.4694	0.014399
group_char_H2000's	1.178	0.60055	1.9616	0.05124
group_char_H3000's	0.56509	0.6056	0.9331	0.35193
mean_UDexc_mean	0.87042	18.594	0.046811	0.96271
group_char_H2000's:mean_UDexc_mean	-17.631	24.18	-0.72916	0.46679
group_char_H3000's:mean_UDexc_mean	6.4409	24.494	0.26296	0.79286

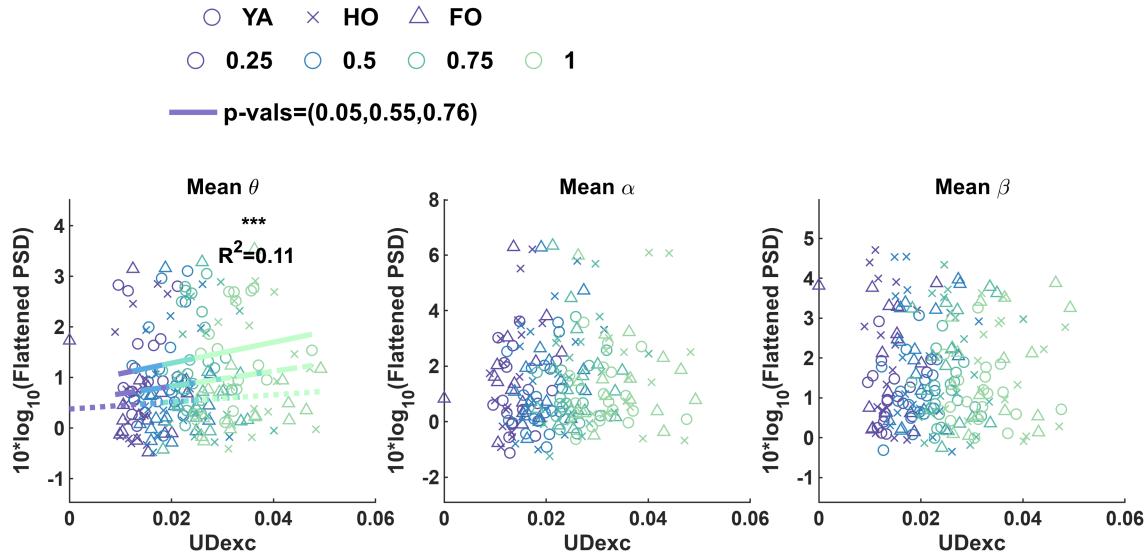
Number of observations: 200, Error degrees of freedom: 194

Root Mean Squared Error: 1.23

R-squared: 0.0852, Adjusted R-Squared: 0.0616

F-statistic vs. constant model: 3.61, p-value = 0.0038

## CL4: Precentral\_L



```
###4-theta_avg_power) mean_StanceDur
SumOfSquares      DF      MeanSquares      F      pValue
_____           _____           _____           _____           _____
```

group_char	3.8696	2	1.9348	2.1961	0.11399
mean_StanceDur	0.01373	1	0.01373	0.015585	0.90078
group_char:mean_StanceDur	0.18672	2	0.093362	0.10597	0.8995
Error	170.91	194	0.88099		
Total	192.9	199			

Linear regression model:

```
theta_avg_power ~ 1 + group_char*mean_StanceDur
```

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	1.4305	0.27435	5.2141	4.7112e-07
group_char_H2000's	-0.42732	0.44927	-0.95113	0.34272
group_char_H3000's	-0.99025	0.47542	-2.0829	0.038572
mean_StanceDur	-0.071547	0.19927	-0.35905	0.71995
group_char_H2000's:mean_StanceDur	-0.039829	0.38322	-0.10393	0.91733
group_char_H3000's:mean_StanceDur	0.18511	0.44888	0.41239	0.68051

Number of observations: 200, Error degrees of freedom: 194

Root Mean Squared Error: 0.939

R-squared: 0.114, Adjusted R-Squared: 0.0912

F-statistic vs. constant model: 4.99, p-value = 0.000252

```
##4-alpha_avg_power) mean_StanceDur
```

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	2.3918	2	1.1959	0.45652	0.63416
mean_StanceDur	13.401	1	13.401	5.1159	0.024817
group_char:mean_StanceDur	12.206	2	6.1029	2.3297	0.10004
Error	508.2	194	2.6196		
Total	548.34	199			

Linear regression model:

```
alpha_avg_power ~ 1 + group_char*mean_StanceDur
```

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	0.95277	0.47307	2.014	0.04539
group_char_H2000's	-0.69936	0.77471	-0.90275	0.36778
group_char_H3000's	-0.020489	0.8198	-0.024993	0.98009
mean_StanceDur	0.036711	0.34361	0.10684	0.91503
group_char_H2000's:mean_StanceDur	1.4066	0.66081	2.1287	0.034544
group_char_H3000's:mean_StanceDur	0.65003	0.77404	0.83979	0.40206

Number of observations: 200, Error degrees of freedom: 194

Root Mean Squared Error: 1.62

R-squared: 0.0732, Adjusted R-Squared: 0.0493

F-statistic vs. constant model: 3.06, p-value = 0.011

```
##4-beta_avg_power) mean_StanceDur
```

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	0.19193	2	0.095964	0.064086	0.93794
mean_StanceDur	2.5861	1	2.5861	1.727	0.19034
group_char:mean_StanceDur	2.6506	2	1.3253	0.88506	0.41435
Error	290.5	194	1.4974		
Total	319.08	199			

Linear regression model:

```
beta_avg_power ~ 1 + group_char*mean_StanceDur
```

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	1.1953	0.35767	3.342	0.00099787
group_char_H2000's	0.1948	0.58573	0.33258	0.73981
group_char_H3000's	0.14951	0.61982	0.24121	0.80965
mean_StanceDur	-0.059379	0.25979	-0.22857	0.81945
group_char_H2000's:mean_StanceDur	0.53227	0.49961	1.0654	0.28804
group_char_H3000's:mean_StanceDur	0.59771	0.58522	1.0213	0.30836

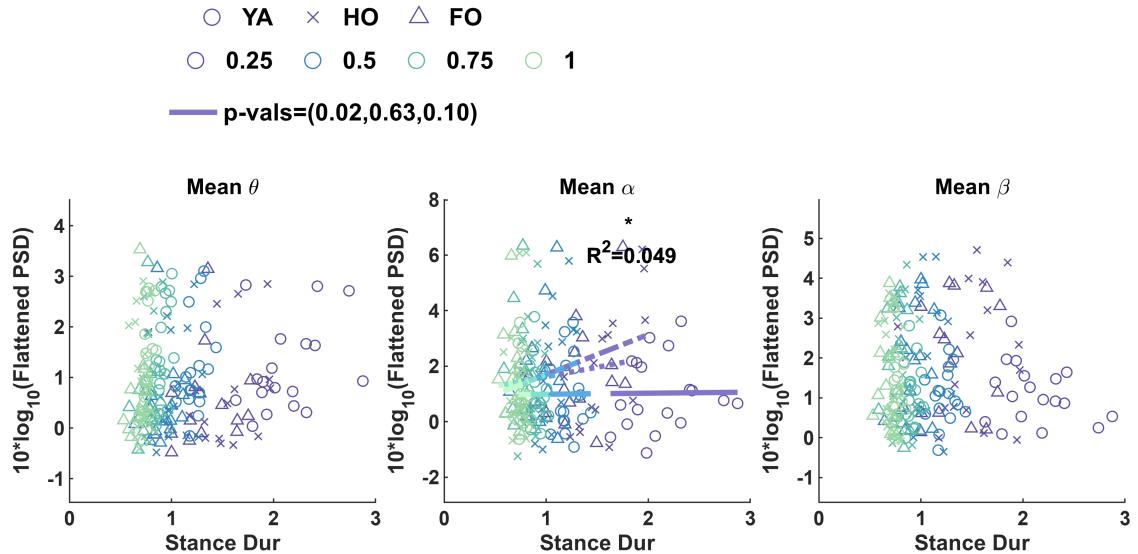
Number of observations: 200, Error degrees of freedom: 194

Root Mean Squared Error: 1.22

R-squared: 0.0896, Adjusted R-Squared: 0.0661

F-statistic vs. constant model: 3.82, p-value = 0.00254

## CL4: Precentral\_L



```
###4-theta_avg_power) mean_GaitCycleDur
SumOfSquares      DF      MeanSquares      F      pValue
_____           _____           _____           _____
```

group_char	3.3646	2	1.6823	1.9106	0.15077
mean_GaitCycleDur	0.0014573	1	0.0014573	0.001655	0.96759
group_char:mean_GaitCycleDur	0.31089	2	0.15545	0.17654	0.8383
Error	170.82	194	0.88052		
Total	192.9	199			

Linear regression model:

theta\_avg\_power ~ 1 + group\_char\*mean\_GaitCycleDur

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	1.4516	0.32953	4.4049	1.748e-05
group_char_H2000's	-0.41847	0.54191	-0.7722	0.44094
group_char_H3000's	-1.091	0.55854	-1.9533	0.052224
mean_GaitCycleDur	-0.060213	0.16806	-0.35828	0.72053
group_char_H2000's:mean_GaitCycleDur	-0.034663	0.32001	-0.10832	0.91385
group_char_H3000's:mean_GaitCycleDur	0.19681	0.36408	0.54056	0.58943

Number of observations: 200, Error degrees of freedom: 194

Root Mean Squared Error: 0.938

R-squared: 0.114, Adjusted R-Squared: 0.0917

F-statistic vs. constant model: 5.02, p-value = 0.000241

##4-alpha\_avg\_power) mean\_GaitCycleDur

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	3.3499	2	1.6749	0.64283	0.52692
mean_GaitCycleDur	16.988	1	16.988	6.5201	0.011435
group_char:mean_GaitCycleDur	13.019	2	6.5096	2.4983	0.084864
Error	505.48	194	2.6056		
Total	548.34	199			

Linear regression model:

alpha\_avg\_power ~ 1 + group\_char\*mean\_GaitCycleDur

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	0.92173	0.56686	1.626	0.10557
group_char_H2000's	-1.0555	0.93221	-1.1323	0.25891
group_char_H3000's	-0.33647	0.96081	-0.3502	0.72657
mean_GaitCycleDur	0.041847	0.2891	0.14475	0.88506
group_char_H2000's:mean_GaitCycleDur	1.1873	0.55048	2.1568	0.032249
group_char_H3000's:mean_GaitCycleDur	0.68423	0.62629	1.0925	0.27597

Number of observations: 200, Error degrees of freedom: 194

Root Mean Squared Error: 1.61

R-squared: 0.0782, Adjusted R-Squared: 0.0544

F-statistic vs. constant model: 3.29, p-value = 0.00711

##4-beta\_avg\_power) mean\_GaitCycleDur

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	0.024163	2	0.012082	0.0080744	0.99196
mean_GaitCycleDur	2.6657	1	2.6657	1.7815	0.18353
group_char:mean_GaitCycleDur	2.8735	2	1.4368	0.96021	0.38463
Error	290.28	194	1.4963		
Total	319.08	199			

Linear regression model:

beta\_avg\_power ~ 1 + group\_char\*mean\_GaitCycleDur

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	1.2339	0.42957	2.8724	0.0045266
group_char_H2000's	0.066673	0.70643	0.09438	0.9249
group_char_H3000's	-0.03318	0.7281	-0.04557	0.9637
mean_GaitCycleDur	-0.061385	0.21908	-0.28019	0.77963
group_char_H2000's:mean_GaitCycleDur	0.43955	0.41716	1.0537	0.29334
group_char_H3000's:mean_GaitCycleDur	0.53568	0.47461	1.1287	0.26043

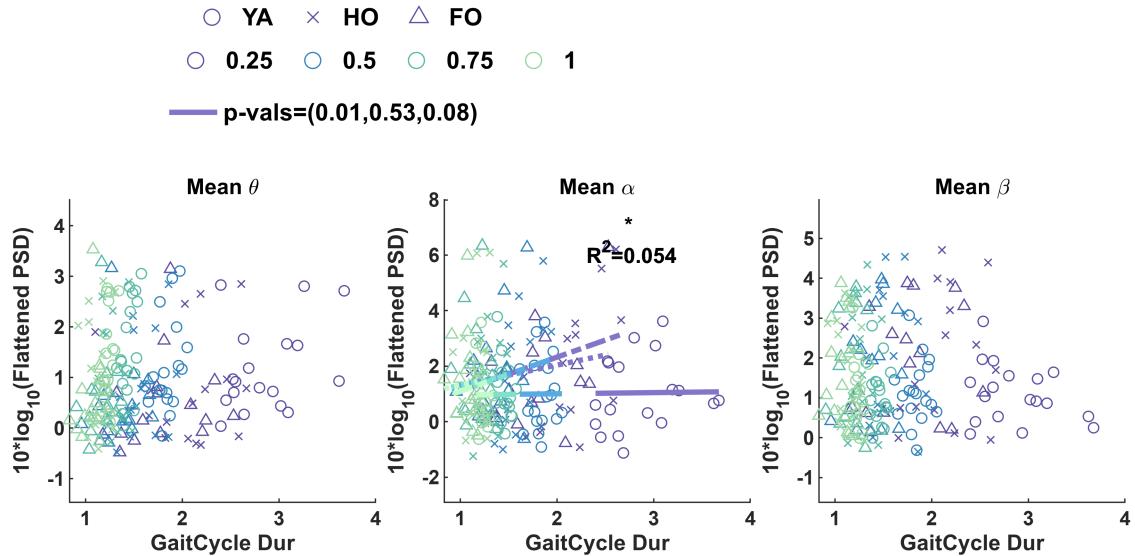
Number of observations: 200, Error degrees of freedom: 194

Root Mean Squared Error: 1.22

R-squared: 0.0903, Adjusted R-Squared: 0.0668

F-statistic vs. constant model: 3.85, p-value = 0.00239

## CL4: Precentral\_L



```
##4-theta_avg_power) mean_PeakUpDownVel_mean
SumOfSquares      DF      MeanSquares      F      pValue
-----      -----      -----      -----      -----

```

group_char	1.6835	2	0.84177	0.96727	0.38194
mean_PeakUpDownVel_mean	1.9878	1	1.9878	2.2842	0.13233
group_char:mean_PeakUpDownVel_mean	0.6541	2	0.32705	0.37581	0.68723
Error	168.83	194	0.87025		
Total	192.9	199			

Linear regression model:

theta\_avg\_power ~ 1 + group\_char\*mean\_PeakUpDownVel\_mean

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	1.0031	0.27041	3.7094	0.00027116
group_char_H2000's	-0.32584	0.3798	-0.85792	0.392
group_char_H3000's	-0.52767	0.38302	-1.3777	0.1699
mean_PeakUpDownVel_mean	1.4989	1.098	1.3651	0.1738
group_char_H2000's:mean_PeakUpDownVel_mean	-0.6737	1.4424	-0.46708	0.64096
group_char_H3000's:mean_PeakUpDownVel_mean	-1.239	1.4313	-0.86567	0.38774

Number of observations: 200, Error degrees of freedom: 194

Root Mean Squared Error: 0.933

R-squared: 0.125, Adjusted R-Squared: 0.102

F-statistic vs. constant model: 5.53, p-value = 8.7e-05

##4-alpha\_avg\_power) mean\_PeakUpDownVel\_mean

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	4.8784	2	2.4392	0.90118	0.40778
mean_PeakUpDownVel_mean	0.16222	1	0.16222	0.059934	0.80686
group_char:mean_PeakUpDownVel_mean	2.6274	2	1.3137	0.48536	0.61622
Error	525.1	194	2.7067		
Total	548.34	199			

Linear regression model:

alpha\_avg\_power ~ 1 + group\_char\*mean\_PeakUpDownVel\_mean

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	1.037	0.4769	2.1745	0.030878
group_char_H2000's	0.47898	0.66981	0.7151	0.47541
group_char_H3000's	0.90631	0.67549	1.3417	0.18126
mean_PeakUpDownVel_mean	-0.1688	1.9365	-0.08717	0.93063
group_char_H2000's:mean_PeakUpDownVel_mean	1.0206	2.5437	0.40121	0.6887
group_char_H3000's:mean_PeakUpDownVel_mean	-1.2524	2.5243	-0.49613	0.62036

Number of observations: 200, Error degrees of freedom: 194

Root Mean Squared Error: 1.65

R-squared: 0.0424, Adjusted R-Squared: 0.0177

F-statistic vs. constant model: 1.72, p-value = 0.132

##4-beta\_avg\_power) mean\_PeakUpDownVel\_mean

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	7.6491	2	3.8245	2.5393	0.081542
mean_PeakUpDownVel_mean	0.40339	1	0.40339	0.26783	0.60538
group_char:mean_PeakUpDownVel_mean	1.3066	2	0.6533	0.43376	0.6487
Error	292.19	194	1.5061		
Total	319.08	199			

Linear regression model:

beta\_avg\_power ~ 1 + group\_char\*mean\_PeakUpDownVel\_mean

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	1.1052	0.35574	3.1066	0.0021762
group_char_H2000's	1.1143	0.49965	2.2302	0.02688
group_char_H3000's	0.70589	0.50389	1.4009	0.16285
mean_PeakUpDownVel_mean	0.068329	1.4445	0.047302	0.96232
group_char_H2000's:mean_PeakUpDownVel_mean	-1.4101	1.8975	-0.74313	0.4583
group_char_H3000's:mean_PeakUpDownVel_mean	0.04102	1.883	0.021784	0.98264

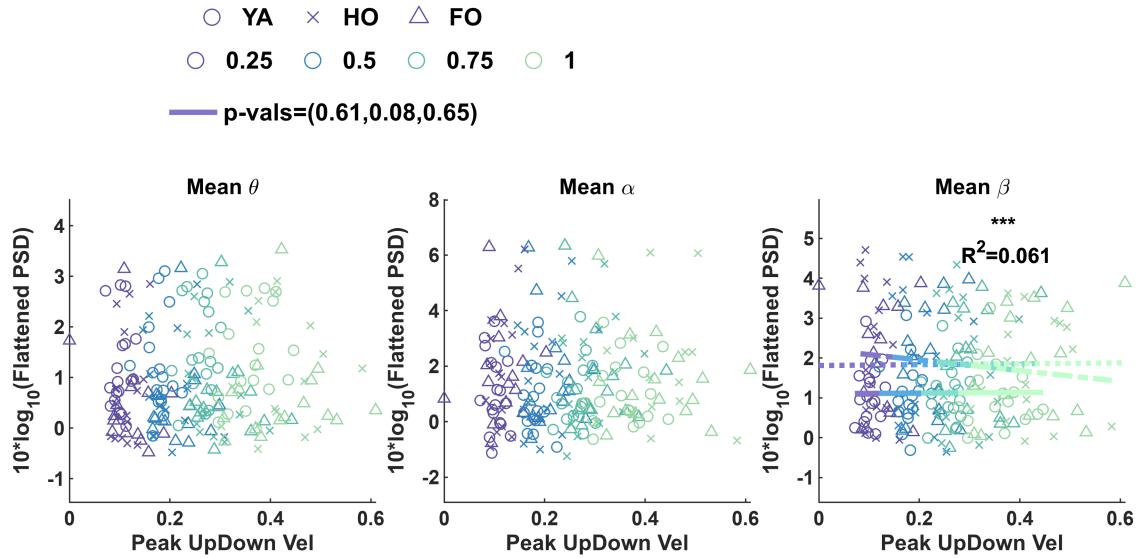
Number of observations: 200, Error degrees of freedom: 194

Root Mean Squared Error: 1.23

R-squared: 0.0843, Adjusted R-Squared: 0.0607

F-statistic vs. constant model: 3.57, p-value = 0.00411

## CL4: Precentral\_L



```
###5-theta_avg_power) mean_APexc_COV
SumOfSquares   DF      MeanSquares      F      pValue
_____        _____        _____        _____
```

group_char	2.5197	2	1.2598	1.866	0.15679
mean_APexc_COV	0.022785	1	0.022785	0.033748	0.85439
group_char:mean_APexc_COV	1.3963	2	0.69813	1.034	0.35702
Error	176.89	262	0.67516		
Total	181.66	267			

Linear regression model:

theta\_avg\_power ~ 1 + group\_char\*mean\_APexc\_COV

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	0.82365	0.34389	2.3951	0.017317
group_char_H2000's	-0.90625	0.53606	-1.6906	0.092105
group_char_H3000's	-0.75539	0.46478	-1.6252	0.10531
mean_APexc_COV	-0.024772	0.021246	-1.1659	0.2447
group_char_H2000's:mean_APexc_COV	0.036356	0.028113	1.2932	0.19708
group_char_H3000's:mean_APexc_COV	0.032341	0.024423	1.3242	0.1866

Number of observations: 268, Error degrees of freedom: 262

Root Mean Squared Error: 0.822

R-squared: 0.0263, Adjusted R-Squared: 0.00767

F-statistic vs. constant model: 1.41, p-value = 0.22

##5-alpha\_avg\_power) mean\_APexc\_COV

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	35.864	2	17.932	2.2484	0.1076
mean_APexc_COV	2.0502	1	2.0502	0.25706	0.61257
group_char:mean_APexc_COV	17.041	2	8.5204	1.0683	0.34508
Error	2089.6	262	7.9755		
Total	2214.8	267			

Linear regression model:

alpha\_avg\_power ~ 1 + group\_char\*mean\_APexc\_COV

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	5.358	1.1819	4.5333	8.8386e-06
group_char_H2000's	-3.6326	1.8424	-1.9717	0.0497
group_char_H3000's	-2.5925	1.5975	-1.6229	0.10581
mean_APexc_COV	-0.097311	0.073022	-1.3326	0.18381
group_char_H2000's:mean_APexc_COV	0.12287	0.096623	1.2716	0.20464
group_char_H3000's:mean_APexc_COV	0.11577	0.083942	1.3792	0.16901

Number of observations: 268, Error degrees of freedom: 262

Root Mean Squared Error: 2.82

R-squared: 0.0565, Adjusted R-Squared: 0.0385

F-statistic vs. constant model: 3.14, p-value = 0.00902

##5-beta\_avg\_power) mean\_APexc\_COV

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	3.0176	2	1.5088	0.63659	0.52991
mean_APexc_COV	0.96438	1	0.96438	0.4069	0.52411
group_char:mean_APexc_COV	6.1391	2	3.0696	1.2951	0.27561
Error	620.97	262	2.3701		
Total	698.69	267			

Linear regression model:

beta\_avg\_power ~ 1 + group\_char\*mean\_APexc\_COV

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	3.2327	0.64431	5.0173	9.6822e-07
group_char_H2000's	-0.93356	1.0044	-0.92951	0.35348
group_char_H3000's	-0.87451	0.87083	-1.0042	0.3162
mean_APexc_COV	-0.014796	0.039807	-0.3717	0.71042
group_char_H2000's:mean_APexc_COV	0.016907	0.052673	0.32097	0.74849
group_char_H3000's:mean_APexc_COV	0.064036	0.04576	1.3994	0.16288

Number of observations: 268, Error degrees of freedom: 262

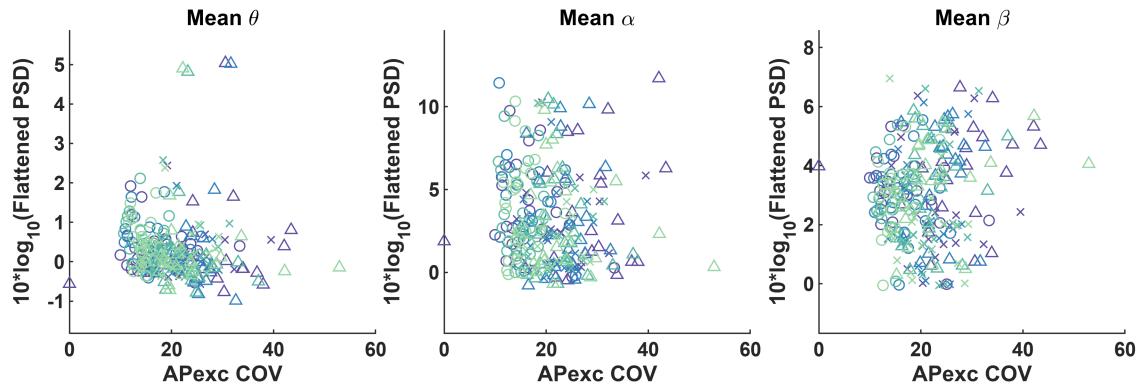
Root Mean Squared Error: 1.54

R-squared: 0.111, Adjusted R-Squared: 0.0943

F-statistic vs. constant model: 6.56, p-value = 9.06e-06

## CL5: Parietal\_Inf\_L

○ YA    ✕ HO    △ FO  
 ○ 0.25    ○ 0.5    ○ 0.75    ○ 1



```

###5-theta_avg_power) mean_APexc_mean
      SumOfSquares      DF      MeanSquares      F      pValue
      _____      ____      _____      ____      _____

```

group_char	0.56868	2	0.28434	0.41885	0.65824
mean_APexc_mean	0.37356	1	0.37356	0.55028	0.45887
group_char:mean_APexc_mean	0.11536	2	0.057682	0.084969	0.91857
Error	177.86	262	0.67886		
Total	181.66	267			

Linear regression model:

theta\_avg\_power ~ 1 + group\_char\*mean\_APexc\_mean

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	0.61722	0.30226	2.042	0.042152
group_char_H2000's	-0.29952	0.41312	-0.72501	0.46909
group_char_H3000's	-0.33816	0.38761	-0.87243	0.38377
mean_APexc_mean	-3.338	5.3127	-0.62831	0.53035
group_char_H2000's:mean_APexc_mean	0.121	7.8725	0.015369	0.98775
group_char_H3000's:mean_APexc_mean	2.8073	7.5821	0.37025	0.71149

Number of observations: 268, Error degrees of freedom: 262

Root Mean Squared Error: 0.824

R-squared: 0.0209, Adjusted R-Squared: 0.00224

F-statistic vs. constant model: 1.12, p-value = 0.35

##5-alpha\_avg\_power) mean\_APexc\_mean

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	15.541	2	7.7704	0.96996	0.38046
mean_APexc_mean	1.1446	1	1.1446	0.14288	0.70574
group_char:mean_APexc_mean	6.5149	2	3.2574	0.40661	0.66632
Error	2098.9	262	8.0111		
Total	2214.8	267			

Linear regression model:

alpha\_avg\_power ~ 1 + group\_char\*mean\_APexc\_mean

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	4.0923	1.0383	3.9412	0.00010405
group_char_H2000's	-1.7923	1.4192	-1.263	0.20773
group_char_H3000's	-1.6016	1.3315	-1.2028	0.23012
mean_APexc_mean	-4.7904	18.25	-0.26248	0.79316
group_char_H2000's:mean_APexc_mean	4.4103	27.044	0.16308	0.87058
group_char_H3000's:mean_APexc_mean	22.364	26.046	0.85862	0.39134

Number of observations: 268, Error degrees of freedom: 262

Root Mean Squared Error: 2.83

R-squared: 0.0523, Adjusted R-Squared: 0.0342

F-statistic vs. constant model: 2.89, p-value = 0.0146

##5-beta\_avg\_power) mean\_APexc\_mean

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	31.405	2	15.702	6.6436	0.0015328
mean_APexc_mean	5.1466	1	5.1466	2.1775	0.14124
group_char:mean_APexc_mean	9.0599	2	4.53	1.9166	0.14916
Error	619.25	262	2.3635		
Total	698.69	267			

Linear regression model:

beta\_avg\_power ~ 1 + group\_char\*mean\_APexc\_mean

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	2.7527	0.56399	4.8808	1.8376e-06
group_char_H2000's	-1.5573	0.77084	-2.0202	0.044378
group_char_H3000's	0.96859	0.72325	1.3392	0.18166
mean_APexc_mean	4.5322	9.913	0.45719	0.64791
group_char_H2000's:mean_APexc_mean	20.494	14.689	1.3952	0.16415
group_char_H3000's:mean_APexc_mean	-7.7901	14.148	-0.55063	0.58236

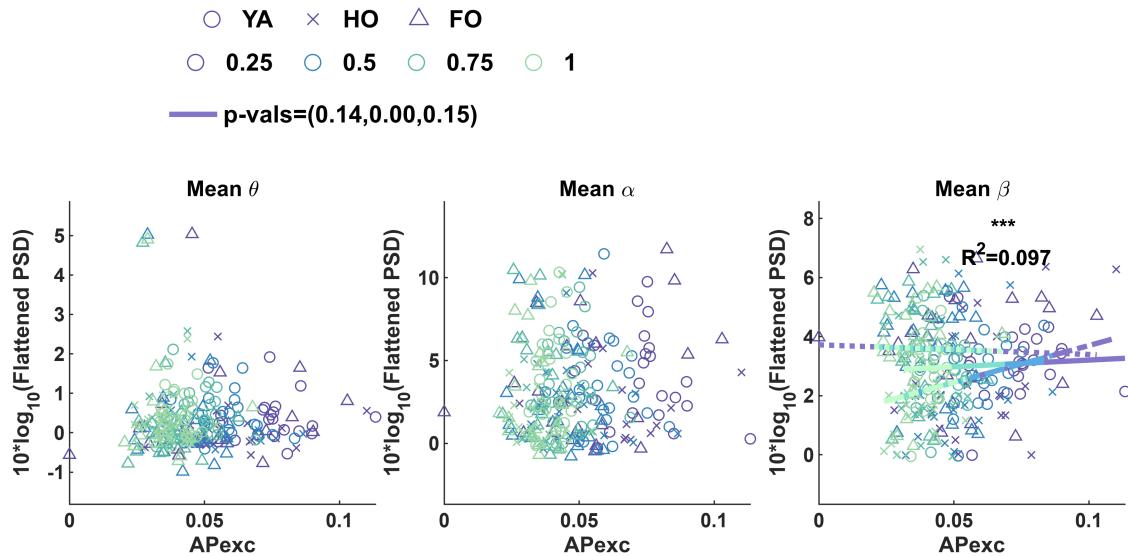
Number of observations: 268, Error degrees of freedom: 262

Root Mean Squared Error: 1.54

R-squared: 0.114, Adjusted R-Squared: 0.0968

F-statistic vs. constant model: 6.72, p-value = 6.5e-06

## CL5: Parietal\_Inf\_L



```
###5-theta_avg_power) mean_MLexc_COV
SumOfSquares      DF      MeanSquares      F      pValue
_____      _____      _____      _____
```

group_char	0.65757	2	0.32878	0.48368	0.61706
mean_MLexc_COV	0.15382	1	0.15382	0.22628	0.63469
group_char:mean_MLexc_COV	0.093705	2	0.046853	0.068926	0.93341
Error	178.1	262	0.67976		
Total	181.66	267			

Linear regression model:

```
theta_avg_power ~ 1 + group_char*mean_MLexc_COV
```

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	0.38195	0.23996	1.5917	0.11266
group_char_H2000's	-0.34724	0.3541	-0.98063	0.32768
group_char_H3000's	-0.13449	0.3682	-0.36526	0.71521
mean_MLexc_COV	0.0038167	0.016229	0.23518	0.81425
group_char_H2000's:mean_MLexc_COV	0.0061549	0.024252	0.25379	0.79986
group_char_H3000's:mean_MLexc_COV	-0.0031698	0.024415	-0.12983	0.8968

Number of observations: 268, Error degrees of freedom: 262

Root Mean Squared Error: 0.824

R-squared: 0.0196, Adjusted R-Squared: 0.000911

F-statistic vs. constant model: 1.05, p-value = 0.389

##5-alpha\_avg\_power) mean\_MLexc\_COV

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	14.678	2	7.3388	0.91488	0.40184
mean_MLexc_COV	1.1924	1	1.1924	0.14865	0.70014
group_char:mean_MLexc_COV	3.4983	2	1.7491	0.21805	0.80423
Error	2101.7	262	8.0216		
Total	2214.8	267			

Linear regression model:

```
alpha_avg_power ~ 1 + group_char*mean_MLexc_COV
```

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	4.2264	0.82433	5.1271	5.7249e-07
group_char_H2000's	-1.519	1.2164	-1.2488	0.21285
group_char_H3000's	-1.2876	1.2649	-1.018	0.30964
mean_MLexc_COV	-0.028587	0.055749	-0.51278	0.60854
group_char_H2000's:mean_MLexc_COV	-0.002746	0.08331	-0.032961	0.97373
group_char_H3000's:mean_MLexc_COV	0.048314	0.083871	0.57606	0.56507

Number of observations: 268, Error degrees of freedom: 262

Root Mean Squared Error: 2.83

R-squared: 0.0511, Adjusted R-Squared: 0.033

F-statistic vs. constant model: 2.82, p-value = 0.0168

##5-beta\_avg\_power) mean\_MLexc\_COV

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	7.0369	2	3.5184	1.4653	0.2329
mean_MLexc_COV	1.7949	1	1.7949	0.74751	0.38806
group_char:mean_MLexc_COV	2.0208	2	1.0104	0.42079	0.65697
Error	629.12	262	2.4012		
Total	698.69	267			

Linear regression model:

```
beta_avg_power ~ 1 + group_char*mean_MLexc_COV
```

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	3.0863	0.45101	6.8432	5.464e-11
group_char_H2000's	-1.0242	0.66552	-1.5389	0.12503
group_char_H3000's	-0.0047878	0.69203	-0.0069185	0.99449
mean_MLexc_COV	-0.0062062	0.030502	-0.20347	0.83892
group_char_H2000's:mean_MLexc_COV	0.027074	0.045581	0.59397	0.55304
group_char_H3000's:mean_MLexc_COV	0.040856	0.045887	0.89035	0.37409

Number of observations: 268, Error degrees of freedom: 262

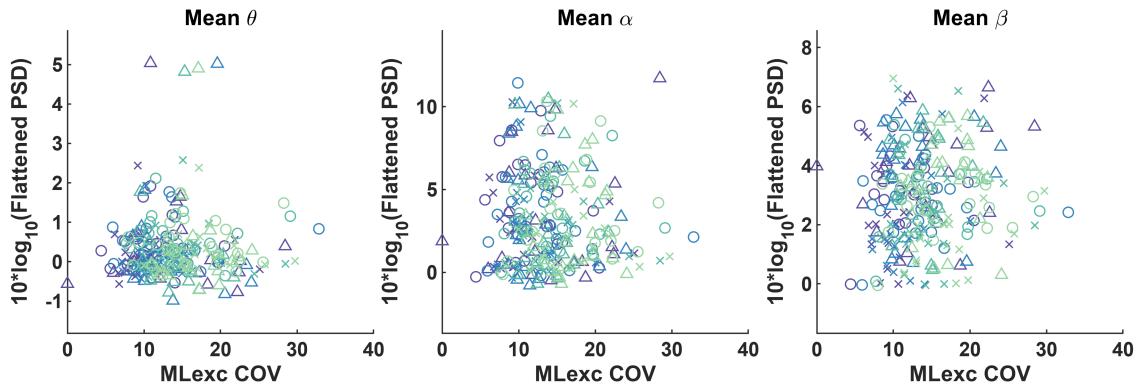
Root Mean Squared Error: 1.55

R-squared: 0.0996, Adjusted R-Squared: 0.0824

F-statistic vs. constant model: 5.79, p-value = 4.29e-05

## CL5: Parietal\_Inf\_L

○ YA    ✕ HO    △ FO  
 ○ 0.25    ○ 0.5    ○ 0.75    ○ 1



```

###5-theta_avg_power) mean_MLexc_mean
      SumOfSquares      DF      MeanSquares      F      pValue
      _____      ____      _____      ____      _____

```

group_char	5.1121	2	2.5561	3.8827	0.021791
mean_MLexc_mean	0.19965	1	0.19965	0.30326	0.58231
group_char:mean_MLexc_mean	5.5782	2	2.7891	4.2366	0.015459
Error	172.48	262	0.65833		
Total	181.66	267			

Linear regression model:

theta\_avg\_power ~ 1 + group\_char\*mean\_MLexc\_mean

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	0.55693	0.24935	2.2335	0.02636
group_char_H2000's	-0.15091	0.33712	-0.44765	0.65478
group_char_H3000's	-0.82946	0.32827	-2.5268	0.0121
mean_MLexc_mean	-1.4833	2.8567	-0.51924	0.60403
group_char_H2000's:mean_MLexc_mean	-1.0662	3.6399	-0.29292	0.76982
group_char_H3000's:mean_MLexc_mean	7.9076	3.711	2.1309	0.034032

Number of observations: 268, Error degrees of freedom: 262

Root Mean Squared Error: 0.811

R-squared: 0.0505, Adjusted R-Squared: 0.0324

F-statistic vs. constant model: 2.79, p-value = 0.0179

##5-alpha\_avg\_power) mean\_MLexc\_mean

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	46.959	2	23.479	2.9708	0.052991
mean_MLexc_mean	0.00031211	1	0.00031211	3.9491e-05	0.99499
group_char:mean_MLexc_mean	35.6	2	17.8	2.2522	0.1072
Error	2070.7	262	7.9033		
Total	2214.8	267			

Linear regression model:

alpha\_avg\_power ~ 1 + group\_char\*mean\_MLexc\_mean

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	4.7279	0.86396	5.4723	1.0382e-07
group_char_H2000's	-2.1043	1.1681	-1.8016	0.072761
group_char_H3000's	-2.6962	1.1374	-2.3705	0.018489
mean_MLexc_mean	-10.899	9.898	-1.1011	0.27185
group_char_H2000's:mean_MLexc_mean	7.2165	12.612	0.57221	0.56767
group_char_H3000's:mean_MLexc_mean	25.386	12.858	1.9743	0.049395

Number of observations: 268, Error degrees of freedom: 262

Root Mean Squared Error: 2.81

R-squared: 0.0651, Adjusted R-Squared: 0.0472

F-statistic vs. constant model: 3.65, p-value = 0.0033

##5-beta\_avg\_power) mean\_MLexc\_mean

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	19.77	2	9.885	4.1072	0.017524
mean_MLexc_mean	0.0983	1	0.0983	0.040844	0.84
group_char:mean_MLexc_mean	1.9056	2	0.95278	0.39588	0.67349
Error	630.56	262	2.4067		
Total	698.69	267			

Linear regression model:

beta\_avg\_power ~ 1 + group\_char\*mean\_MLexc\_mean

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	2.9645	0.47676	6.2181	1.977e-09
group_char_H2000's	-0.77152	0.64457	-1.1969	0.23241
group_char_H3000's	0.93006	0.62765	1.4818	0.13959
mean_MLexc_mean	0.43557	5.462	0.079744	0.9365
group_char_H2000's:mean_MLexc_mean	1.2067	6.9595	0.17338	0.86248
group_char_H3000's:mean_MLexc_mean	-4.1915	7.0955	-0.59072	0.55522

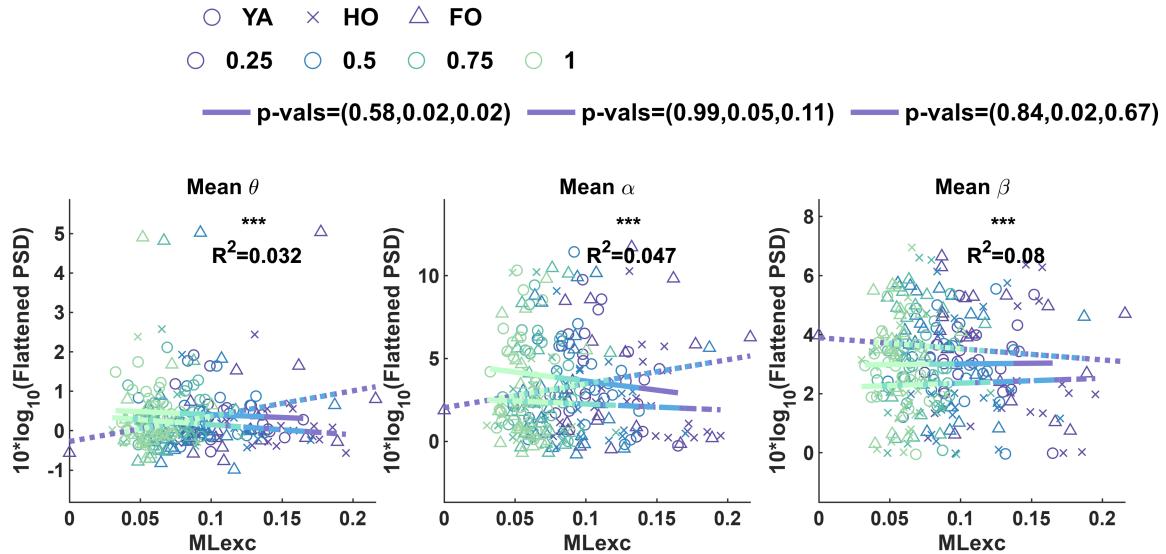
Number of observations: 268, Error degrees of freedom: 262

Root Mean Squared Error: 1.55

R-squared: 0.0975, Adjusted R-Squared: 0.0803

F-statistic vs. constant model: 5.66, p-value = 5.62e-05

## CL5: Parietal\_Inf\_L



##5-theta_avg_power) mean_StepDur	SumOfSquares	DF	MeanSquares	F	pValue

group_char	0.49887	2	0.24943	0.36767	0.6927
mean_StepDur	0.12487	1	0.12487	0.18407	0.66826
group_char:mean_StepDur	0.38094	2	0.19047	0.28076	0.75544
Error	177.75	262	0.67842		
Total	181.66	267			

Linear regression model:

theta\_avg\_power ~ 1 + group\_char\*mean\_StepDur

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	0.52514	0.25281	2.0772	0.038757
group_char_H2000's	-0.099671	0.41458	-0.24042	0.8102
group_char_H3000's	-0.36404	0.4261	-0.85435	0.39369
mean_StepDur	-0.099305	0.2621	-0.37889	0.70508
group_char_H2000's:mean_StepDur	-0.22867	0.48293	-0.4735	0.63625
group_char_H3000's:mean_StepDur	0.23624	0.54173	0.43608	0.66314

Number of observations: 268, Error degrees of freedom: 262

Root Mean Squared Error: 0.824

R-squared: 0.0216, Adjusted R-Squared: 0.00288

F-statistic vs. constant model: 1.15, p-value = 0.332

##5-alpha\_avg\_power) mean\_StepDur

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	8.1275	2	4.0638	0.50655	0.60316
mean_StepDur	2.8818	1	2.8818	0.35922	0.54946
group_char:mean_StepDur	2.5114	2	1.2557	0.15652	0.85519
Error	2101.9	262	8.0224		
Total	2214.8	267			

Linear regression model:

alpha\_avg\_power ~ 1 + group\_char\*mean\_StepDur

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	3.5643	0.86936	4.0999	5.5188e-05
group_char_H2000's	-1.2544	1.4256	-0.87991	0.37972
group_char_H3000's	-1.1341	1.4653	-0.77398	0.43964
mean_StepDur	0.29269	0.90129	0.32475	0.74563
group_char_H2000's:mean_StepDur	-0.32778	1.6607	-0.19738	0.84369
group_char_H3000's:mean_StepDur	0.84451	1.8629	0.45333	0.65068

Number of observations: 268, Error degrees of freedom: 262

Root Mean Squared Error: 2.83

R-squared: 0.051, Adjusted R-Squared: 0.0329

F-statistic vs. constant model: 2.82, p-value = 0.017

##5-beta\_avg\_power) mean\_StepDur

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	12.083	2	6.0417	2.5151	0.082803
mean_StepDur	0.56455	1	0.56455	0.23502	0.62823
group_char:mean_StepDur	1.8375	2	0.91877	0.38248	0.68255
Error	629.36	262	2.4021		
Total	698.69	267			

Linear regression model:

beta\_avg\_power ~ 1 + group\_char\*mean\_StepDur

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	2.6993	0.47571	5.6742	3.6835e-08
group_char_H2000's	-0.86035	0.78011	-1.1029	0.2711
group_char_H3000's	1.1399	0.8018	1.4216	0.15632
mean_StepDur	0.33101	0.49319	0.67117	0.5027
group_char_H2000's:mean_StepDur	0.3186	0.90872	0.3506	0.72617
group_char_H3000's:mean_StepDur	-0.69429	1.0194	-0.68109	0.49641

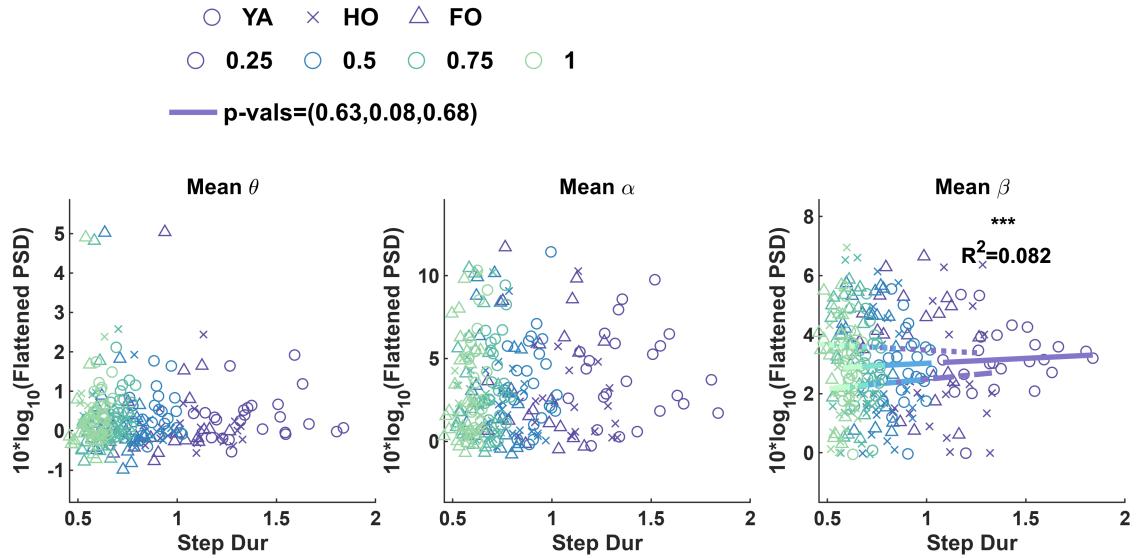
Number of observations: 268, Error degrees of freedom: 262

Root Mean Squared Error: 1.55

R-squared: 0.0992, Adjusted R-Squared: 0.082

F-statistic vs. constant model: 5.77, p-value = 4.49e-05

## CL5: Parietal\_Inf\_L



```
###5-theta_avg_power) mean_UDexc_COV
SumOfSquares      DF      MeanSquares      F      pValue
_____           _____           _____           _____
```

group_char	0.98219	2	0.49109	0.72562	0.485
mean_UDexc_COV	0.66822	1	0.66822	0.98734	0.32131
group_char:mean_UDexc_COV	0.34704	2	0.17352	0.25639	0.77404
Error	177.32	262	0.67679		
Total	181.66	267			

Linear regression model:

```
theta_avg_power ~ 1 + group_char*mean_UDexc_COV
```

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	0.62078	0.21956	2.8274	0.0050546
group_char_H2000's	-0.28533	0.31159	-0.91573	0.36065
group_char_H3000's	-0.36591	0.32558	-1.1238	0.26211
mean_UDexc_COV	-0.015228	0.01661	-0.91675	0.36012
group_char_H2000's:mean_UDexc_COV	0.0030831	0.022263	0.13848	0.88996
group_char_H3000's:mean_UDexc_COV	0.01537	0.023049	0.66683	0.50547

Number of observations: 268, Error degrees of freedom: 262

Root Mean Squared Error: 0.823

R-squared: 0.0239, Adjusted R-Squared: 0.00527

F-statistic vs. constant model: 1.28, p-value = 0.272

##5-alpha\_avg\_power) mean\_UDexc\_COV

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	22.565	2	11.282	1.4039	0.24749
mean_UDexc_COV	0.33888	1	0.33888	0.042167	0.83746
group_char:mean_UDexc_COV	0.74142	2	0.37071	0.046127	0.95493
Error	2105.6	262	8.0367		
Total	2214.8	267			

Linear regression model:

```
alpha_avg_power ~ 1 + group_char*mean_UDexc_COV
```

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	4.0787	0.75658	5.391	1.5637e-07
group_char_H2000's	-1.7989	1.0737	-1.6754	0.095058
group_char_H3000's	-0.86362	1.1219	-0.76975	0.44214
mean_UDexc_COV	-0.020324	0.057239	-0.35507	0.72282
group_char_H2000's:mean_UDexc_COV	0.020516	0.076719	0.26742	0.78936
group_char_H3000's:mean_UDexc_COV	0.021065	0.079425	0.26522	0.79105

Number of observations: 268, Error degrees of freedom: 262

Root Mean Squared Error: 2.83

R-squared: 0.0493, Adjusted R-Squared: 0.0312

F-statistic vs. constant model: 2.72, p-value = 0.0205

##5-beta\_avg\_power) mean\_UDexc\_COV

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	7.8279	2	3.9139	1.6248	0.19892
mean_UDexc_COV	0.28138	1	0.28138	0.11681	0.73279
group_char:mean_UDexc_COV	1.1556	2	0.57781	0.23987	0.7869
Error	631.11	262	2.4088		
Total	698.69	267			

Linear regression model:

```
beta_avg_power ~ 1 + group_char*mean_UDexc_COV
```

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	3.1094	0.41421	7.5069	9.4924e-13
group_char_H2000's	-0.83853	0.58784	-1.4265	0.15492
group_char_H3000's	0.17935	0.61424	0.29199	0.77052
mean_UDexc_COV	-0.0089268	0.031337	-0.28486	0.77597
group_char_H2000's:mean_UDexc_COV	0.014371	0.042001	0.34216	0.7325
group_char_H3000's:mean_UDexc_COV	0.030079	0.043483	0.69173	0.48972

Number of observations: 268, Error degrees of freedom: 262

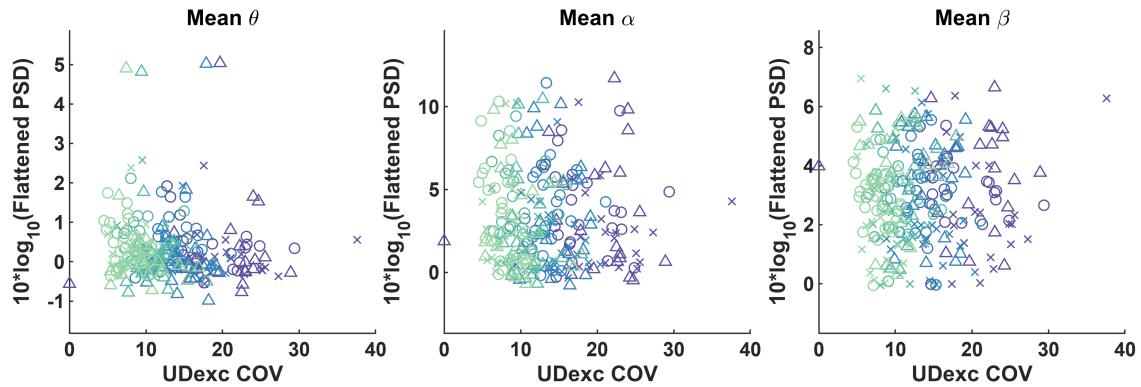
Root Mean Squared Error: 1.55

R-squared: 0.0967, Adjusted R-Squared: 0.0795

F-statistic vs. constant model: 5.61, p-value = 6.23e-05

## CL5: Parietal\_Inf\_L

○ YA    × HO    △ FO  
 ○ 0.25    ○ 0.5    ○ 0.75    ○ 1



```

###5-theta_avg_power) mean_UDexc_mean
      SumOfSquares      DF      MeanSquares      F      pValue
      _____      ____      _____      ____      _____

```

group_char	0.70822	2	0.35411	0.52138	0.59432
mean_UDexc_mean	0.078544	1	0.078544	0.11564	0.73408
group_char:mean_UDexc_mean	0.31533	2	0.15767	0.23214	0.793
Error	177.95	262	0.67918		
Total	181.66	267			

Linear regression model:

theta\_avg\_power ~ 1 + group\_char\*mean\_UDexc\_mean

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	0.35171	0.25128	1.3997	0.16279
group_char_H2000's	-0.3152	0.35042	-0.89951	0.36921
group_char_H3000's	-0.016905	0.35026	-0.048264	0.96154
mean_UDexc_mean	3.4485	9.8277	0.3509	0.72595
group_char_H2000's:mean_UDexc_mean	1.9969	13.509	0.14782	0.8826
group_char_H3000's:mean_UDexc_mean	-6.7172	13.701	-0.49028	0.62435

Number of observations: 268, Error degrees of freedom: 262

Root Mean Squared Error: 0.824

R-squared: 0.0205, Adjusted R-Squared: 0.00176

F-statistic vs. constant model: 1.09, p-value = 0.364

##5-alpha\_avg\_power) mean\_UDexc\_mean

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	5.6323	2	2.8161	0.35152	0.70395
mean_UDexc_mean	0.23609	1	0.23609	0.029469	0.86383
group_char:mean_UDexc_mean	7.5198	2	3.7599	0.46932	0.62595
Error	2099	262	8.0113		
Total	2214.8	267			

Linear regression model:

alpha\_avg\_power ~ 1 + group\_char\*mean\_UDexc\_mean

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	3.1181	0.86302	3.6131	0.0003627
group_char_H2000's	-0.61705	1.2035	-0.51272	0.60858
group_char_H3000's	0.36708	1.203	0.30515	0.76049
mean_UDexc_mean	29.567	33.753	0.87598	0.38185
group_char_H2000's:mean_UDexc_mean	-38.49	46.397	-0.82958	0.40753
group_char_H3000's:mean_UDexc_mean	-40.458	47.055	-0.8598	0.39068

Number of observations: 268, Error degrees of freedom: 262

Root Mean Squared Error: 2.83

R-squared: 0.0523, Adjusted R-Squared: 0.0342

F-statistic vs. constant model: 2.89, p-value = 0.0147

##5-beta\_avg\_power) mean\_UDexc\_mean

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	11.96	2	5.98	2.4861	0.085196
mean_UDexc_mean	0.56863	1	0.56863	0.2364	0.62723
group_char:mean_UDexc_mean	1.7327	2	0.86634	0.36016	0.69791
Error	630.21	262	2.4054		
Total	698.69	267			

Linear regression model:

beta\_avg\_power ~ 1 + group\_char\*mean\_UDexc\_mean

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	2.8278	0.47289	5.9799	7.2859e-09
group_char_H2000's	-0.28103	0.65946	-0.42616	0.67034
group_char_H3000's	1.0927	0.65916	1.6576	0.098586
mean_UDexc_mean	7.1623	18.495	0.38726	0.69888
group_char_H2000's:mean_UDexc_mean	-15.395	25.423	-0.60557	0.54533
group_char_H3000's:mean_UDexc_mean	-21.227	25.784	-0.82328	0.4111

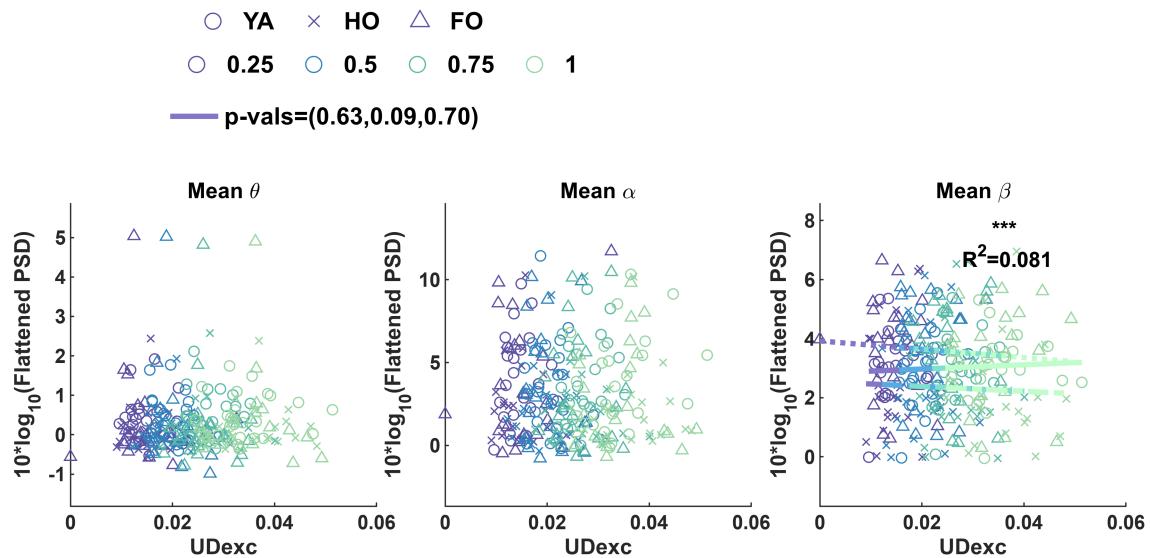
Number of observations: 268, Error degrees of freedom: 262

Root Mean Squared Error: 1.55

R-squared: 0.098, Adjusted R-Squared: 0.0808

F-statistic vs. constant model: 5.69, p-value = 5.27e-05

## CL5: Parietal\_Inf\_L



```
###5-theta_avg_power) mean_StanceDur
SumOfSquares      DF      MeanSquares      F      pValue
_____          _____          _____          _____
```

group_char	0.56957	2	0.28478	0.41962	0.65774
mean_StanceDur	0.11472	1	0.11472	0.16904	0.68131
group_char:mean_StanceDur	0.31626	2	0.15813	0.233	0.79232
Error	177.81	262	0.67867		
Total	181.66	267			

Linear regression model:

```
theta_avg_power ~ 1 + group_char*mean_StanceDur
```

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	0.51047	0.21074	2.4222	0.016104
group_char_H2000's	-0.15016	0.34159	-0.43958	0.6606
group_char_H3000's	-0.32454	0.35718	-0.90862	0.36438
mean_StanceDur	-0.060627	0.15482	-0.39159	0.69568
group_char_H2000's:mean_StanceDur	-0.11988	0.28577	-0.41951	0.67519
group_char_H3000's:mean_StanceDur	0.13498	0.32692	0.41286	0.68004

Number of observations: 268, Error degrees of freedom: 262

Root Mean Squared Error: 0.824

R-squared: 0.0212, Adjusted R-Squared: 0.00252

F-statistic vs. constant model: 1.13, p-value = 0.342

##5-alpha\_avg\_power) mean\_StanceDur

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	12.628	2	6.3138	0.78772	0.45596
mean_StanceDur	4.5562	1	4.5562	0.56843	0.45156
group_char:mean_StanceDur	3.191	2	1.5955	0.19905	0.81963
Error	2100	262	8.0154		
Total	2214.8	267			

Linear regression model:

```
alpha_avg_power ~ 1 + group_char*mean_StanceDur
```

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	3.5756	0.72425	4.937	1.4139e-06
group_char_H2000's	-1.3289	1.1739	-1.132	0.25866
group_char_H3000's	-1.1257	1.2275	-0.91707	0.35995
mean_StanceDur	0.20422	0.53207	0.38381	0.70143
group_char_H2000's:mean_StanceDur	-0.17031	0.98209	-0.17341	0.86246
group_char_H3000's:mean_StanceDur	0.60879	1.1235	0.54186	0.58838

Number of observations: 268, Error degrees of freedom: 262

Root Mean Squared Error: 2.83

R-squared: 0.0518, Adjusted R-Squared: 0.0337

F-statistic vs. constant model: 2.86, p-value = 0.0155

##5-beta\_avg\_power) mean\_StanceDur

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	13.4	2	6.7001	2.7873	0.063416
mean_StanceDur	0.38558	1	0.38558	0.1604	0.68911
group_char:mean_StanceDur	1.4276	2	0.7138	0.29695	0.74333
Error	629.8	262	2.4038		
Total	698.69	267			

Linear regression model:

```
beta_avg_power ~ 1 + group_char*mean_StanceDur
```

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	2.7169	0.39662	6.8501	5.2452e-11
group_char_H2000's	-0.67485	0.64287	-1.0497	0.29481
group_char_H3000's	1.0672	0.67221	1.5876	0.11358
mean_StanceDur	0.22712	0.29138	0.77948	0.4364
group_char_H2000's:mean_StanceDur	0.060175	0.53782	0.11189	0.911
group_char_H3000's:mean_StanceDur	-0.43577	0.61527	-0.70825	0.47942

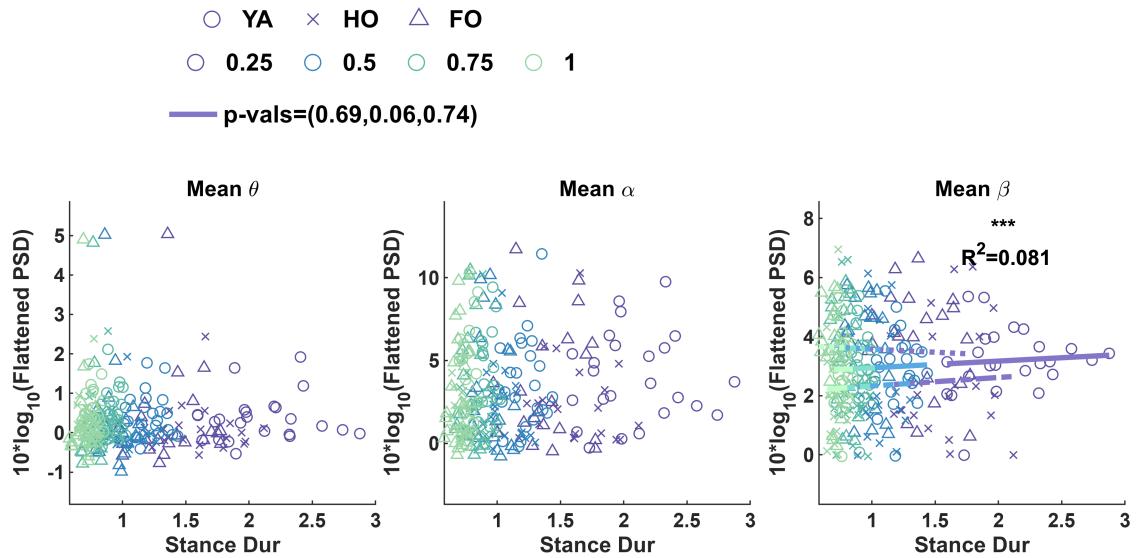
Number of observations: 268, Error degrees of freedom: 262

Root Mean Squared Error: 1.55

R-squared: 0.0986, Adjusted R-Squared: 0.0814

F-statistic vs. constant model: 5.73, p-value = 4.87e-05

## CL5: Parietal\_Inf\_L



```
###5-theta_avg_power) mean_GaitCycleDur
SumOfSquares      DF      MeanSquares      F      pValue
_____           _____           _____           _____
```

group_char	0.49156	2	0.24578	0.36227	0.69644
mean_GaitCycleDur	0.12701	1	0.12701	0.18721	0.66561
group_char:mean_GaitCycleDur	0.37308	2	0.18654	0.27495	0.75983
Error	177.75	262	0.67844		
Total	181.66	267			

Linear regression model:

```
theta_avg_power ~ 1 + group_char*mean_GaitCycleDur
```

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	0.52518	0.25261	2.079	0.038592
group_char_H2000's	-0.10121	0.41363	-0.24469	0.80688
group_char_H3000's	-0.36131	0.42581	-0.84853	0.39691
mean_GaitCycleDur	-0.049648	0.13086	-0.3794	0.7047
group_char_H2000's:mean_GaitCycleDur	-0.11325	0.24064	-0.47061	0.63831
group_char_H3000's:mean_GaitCycleDur	0.11611	0.27057	0.42914	0.66817

Number of observations: 268, Error degrees of freedom: 262

Root Mean Squared Error: 0.824

R-squared: 0.0215, Adjusted R-Squared: 0.00285

F-statistic vs. constant model: 1.15, p-value = 0.333

##5-alpha\_avg\_power) mean\_GaitCycleDur

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	8.0397	2	4.0198	0.50108	0.60645
mean_GaitCycleDur	2.9132	1	2.9132	0.36314	0.54729
group_char:mean_GaitCycleDur	2.4837	2	1.2418	0.1548	0.85667
Error	2101.8	262	8.0223		
Total	2214.8	267			

Linear regression model:

```
alpha_avg_power ~ 1 + group_char*mean_GaitCycleDur
```

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	3.5568	0.86867	4.0945	5.6405e-05
group_char_H2000's	-1.2478	1.4224	-0.8773	0.38113
group_char_H3000's	-1.1235	1.4642	-0.76729	0.4436
mean_GaitCycleDur	0.15038	0.44999	0.33418	0.73851
group_char_H2000's:mean_GaitCycleDur	-0.16733	0.8275	-0.20221	0.83991
group_char_H3000's:mean_GaitCycleDur	0.41583	0.9304	0.44694	0.65529

Number of observations: 268, Error degrees of freedom: 262

Root Mean Squared Error: 2.83

R-squared: 0.051, Adjusted R-Squared: 0.0329

F-statistic vs. constant model: 2.82, p-value = 0.017

##5-beta\_avg\_power) mean\_GaitCycleDur

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	12.317	2	6.1584	2.5642	0.078915
mean_GaitCycleDur	0.57271	1	0.57271	0.23846	0.62573
group_char:mean_GaitCycleDur	1.9171	2	0.95854	0.3991	0.67133
Error	629.26	262	2.4017		
Total	698.69	267			

Linear regression model:

```
beta_avg_power ~ 1 + group_char*mean_GaitCycleDur
```

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	2.6983	0.4753	5.6771	3.6286e-08
group_char_H2000's	-0.86865	0.77826	-1.1162	0.26538
group_char_H3000's	1.1474	0.80117	1.4321	0.1533
mean_GaitCycleDur	0.16595	0.24621	0.674	0.50091
group_char_H2000's:mean_GaitCycleDur	0.16456	0.45277	0.36344	0.71657
group_char_H3000's:mean_GaitCycleDur	-0.3522	0.50907	-0.69184	0.48965

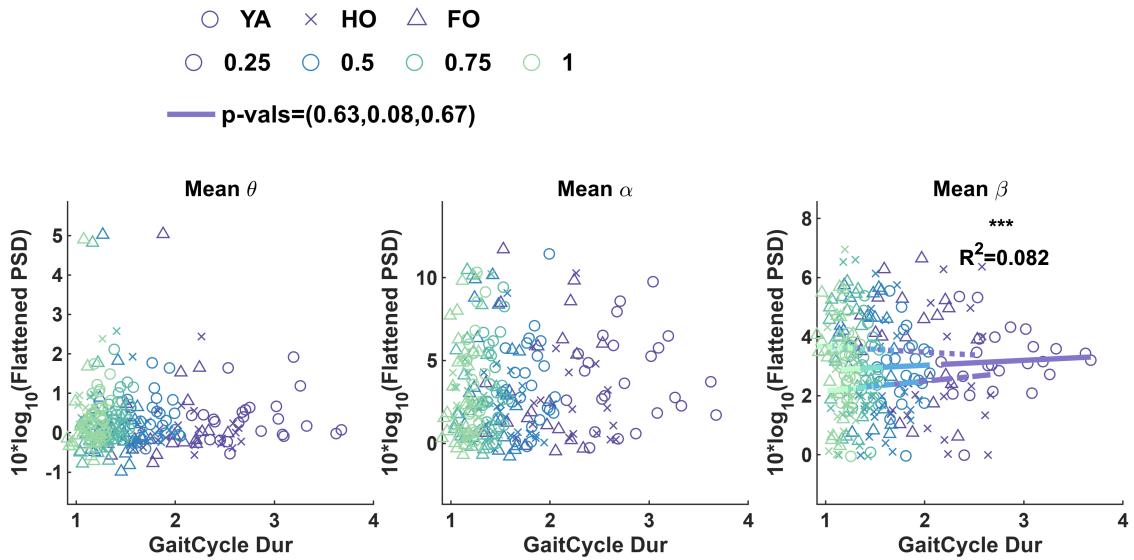
Number of observations: 268, Error degrees of freedom: 262

Root Mean Squared Error: 1.55

R-squared: 0.0994, Adjusted R-Squared: 0.0822

F-statistic vs. constant model: 5.78, p-value = 4.4e-05

## CL5: Parietal\_Inf\_L



```
###5-theta_avg_power) mean_PeakUpDownVel_mean
SumOfSquares   DF      MeanSquares      F      pValue
-----  -----  -----  -----  -----

```

group_char	0.61591	2	0.30796	0.45294	0.63626
mean_PeakUpDownVel_mean	0.19997	1	0.19997	0.29411	0.58806
group_char:mean_PeakUpDownVel_mean	0.0043993	2	0.0021997	0.0032352	0.99677
Error	178.14	262	0.67991		
Total	181.66	267			

Linear regression model:

theta\_avg\_power ~ 1 + group\_char\*mean\_PeakUpDownVel\_mean

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	0.37455	0.20223	1.8521	0.06514
group_char_H2000's	-0.27269	0.28891	-0.94384	0.34612
group_char_H3000's	-0.16488	0.29171	-0.56523	0.5724
mean_PeakUpDownVel_mean	0.25243	0.77042	0.32765	0.74344
group_char_H2000's:mean_PeakUpDownVel_mean	0.014402	1.06	0.013587	0.98917
group_char_H3000's:mean_PeakUpDownVel_mean	-0.065565	1.0795	-0.060735	0.95162

Number of observations: 268, Error degrees of freedom: 262

Root Mean Squared Error: 0.825

R-squared: 0.0194, Adjusted R-Squared: 0.000683

F-statistic vs. constant model: 1.04, p-value = 0.397

##5-alpha\_avg\_power) mean\_PeakUpDownVel\_mean

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	13.907	2	6.9537	0.87104	0.41973
mean_PeakUpDownVel_mean	1.7244	1	1.7244	0.216	0.64249
group_char:mean_PeakUpDownVel_mean	13.067	2	6.5333	0.81838	0.44227
Error	2091.6	262	7.9832		
Total	2214.8	267			

Linear regression model:

alpha\_avg\_power ~ 1 + group\_char\*mean\_PeakUpDownVel\_mean

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	3.3771	0.69297	4.8734	1.9017e-06
group_char_H2000's	-0.78145	0.98999	-0.78935	0.43062
group_char_H3000's	0.54164	0.99956	0.54187	0.58837
mean_PeakUpDownVel_mean	1.8995	2.6399	0.71952	0.47246
group_char_H2000's:mean_PeakUpDownVel_mean	-3.1274	3.6322	-0.86104	0.39
group_char_H3000's:mean_PeakUpDownVel_mean	-4.6446	3.6991	-1.2556	0.21037

Number of observations: 268, Error degrees of freedom: 262

Root Mean Squared Error: 2.83

R-squared: 0.0556, Adjusted R-Squared: 0.0376

F-statistic vs. constant model: 3.09, p-value = 0.01

##5-beta\_avg\_power) mean\_PeakUpDownVel\_mean

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	25.461	2	12.73	5.3764	0.0051489
mean_PeakUpDownVel_mean	7.4108	1	7.4108	3.1298	0.078035
group_char:mean_PeakUpDownVel_mean	4.7537	2	2.3769	1.0038	0.36788
Error	620.37	262	2.3678		
Total	698.69	267			

Linear regression model:

beta\_avg\_power ~ 1 + group\_char\*mean\_PeakUpDownVel\_mean

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	3.0638	0.3774	8.1183	1.8541e-14
group_char_H2000's	-0.45885	0.53916	-0.85105	0.39552
group_char_H3000's	1.2825	0.54437	2.3559	0.019214
mean_PeakUpDownVel_mean	-0.26568	1.4377	-0.18479	0.85353
group_char_H2000's:mean_PeakUpDownVel_mean	-0.75318	1.9781	-0.38076	0.70369
group_char_H3000's:mean_PeakUpDownVel_mean	-2.7485	2.0145	-1.3643	0.17363

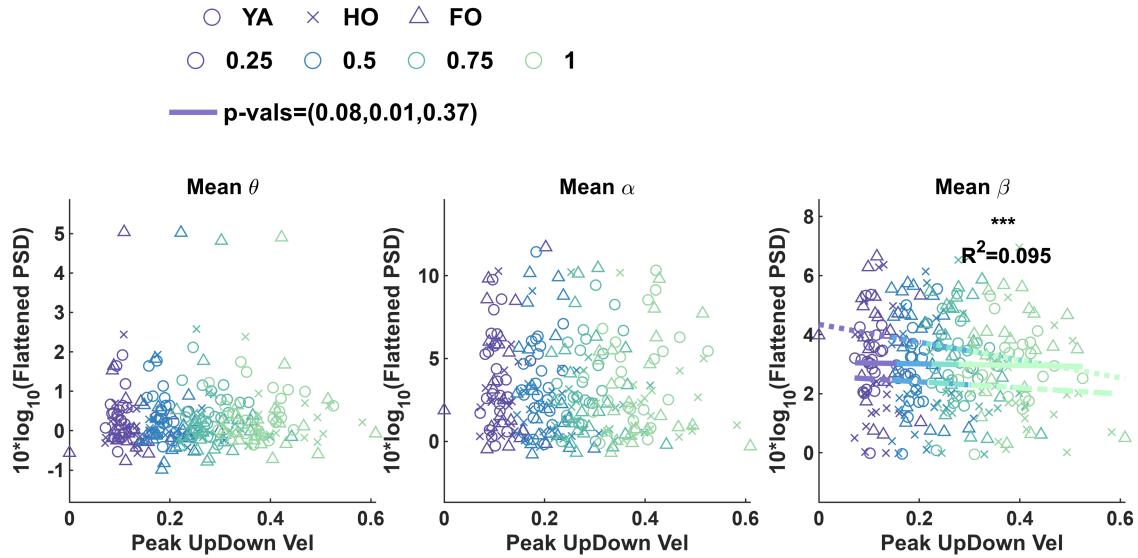
Number of observations: 268, Error degrees of freedom: 262

Root Mean Squared Error: 1.54

R-squared: 0.112, Adjusted R-Squared: 0.0952

F-statistic vs. constant model: 6.62, p-value = 8.07e-06

## CL5: Parietal\_Inf\_L



```
###6-theta_avg_power) mean_APexc_COV
SumOfSquares      DF      MeanSquares      F      pValue
_____           _____           _____           _____
```

group_char	3.7224	2	1.8612	2.0987	0.12594
mean_APexc_COV	0.41244	1	0.41244	0.46507	0.49624
group_char:mean_APexc_COV	2.2872	2	1.1436	1.2896	0.2782
Error	143.67	162	0.88683		
Total	156.88	167			

Linear regression model:

theta\_avg\_power ~ 1 + group\_char\*mean\_APexc\_COV

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	1.3986	0.46692	2.9954	0.0031718
group_char_H2000's	-1.4397	0.7428	-1.9382	0.054342
group_char_H3000's	-0.044587	0.84232	-0.052933	0.95785
mean_APexc_COV	0.0039091	0.028703	0.13619	0.89184
group_char_H2000's:mean_APexc_COV	0.039294	0.037906	1.0366	0.30146
group_char_H3000's:mean_APexc_COV	-0.01886	0.040138	-0.46989	0.63907

Number of observations: 168, Error degrees of freedom: 162

Root Mean Squared Error: 0.942

R-squared: 0.0843, Adjusted R-Squared: 0.056

F-statistic vs. constant model: 2.98, p-value = 0.0133

##6-alpha\_avg\_power) mean\_APexc\_COV

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	10.476	2	5.2381	5.4296	0.0052195
mean_APexc_COV	0.47805	1	0.47805	0.49553	0.48248
group_char:mean_APexc_COV	9.7171	2	4.8586	5.0362	0.0075527
Error	156.29	162	0.96473		
Total	168.94	167			

Linear regression model:

alpha\_avg\_power ~ 1 + group\_char\*mean\_APexc\_COV

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	0.76218	0.487	1.5651	0.11952
group_char_H2000's	-2.0544	0.77474	-2.6517	0.0088046
group_char_H3000's	0.79933	0.87854	0.90984	0.36426
mean_APexc_COV	-0.002487	0.029937	-0.083075	0.93389
group_char_H2000's:mean_APexc_COV	0.080978	0.039536	2.0482	0.042151
group_char_H3000's:mean_APexc_COV	-0.038892	0.041864	-0.92903	0.35426

Number of observations: 168, Error degrees of freedom: 162

Root Mean Squared Error: 0.982

R-squared: 0.0749, Adjusted R-Squared: 0.0463

F-statistic vs. constant model: 2.62, p-value = 0.0261

##6-beta\_avg\_power) mean\_APexc\_COV

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	21.967	2	10.983	9.8806	8.9355e-05
mean_APexc_COV	14.489	1	14.489	13.034	0.00040743
group_char:mean_APexc_COV	14.378	2	7.1889	6.4671	0.0019855
Error	180.08	162	1.1116		
Total	214.86	167			

Linear regression model:

beta\_avg\_power ~ 1 + group\_char\*mean\_APexc\_COV

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	1.676	0.52276	3.206	0.0016215
group_char_H2000's	-3.5401	0.83163	-4.2568	3.5011e-05
group_char_H3000's	-2.5311	0.94305	-2.6839	0.0080323
mean_APexc_COV	-0.022799	0.032135	-0.70947	0.47905
group_char_H2000's:mean_APexc_COV	0.1506	0.042439	3.5487	0.00050681
group_char_H3000's:mean_APexc_COV	0.10842	0.044938	2.4126	0.016957

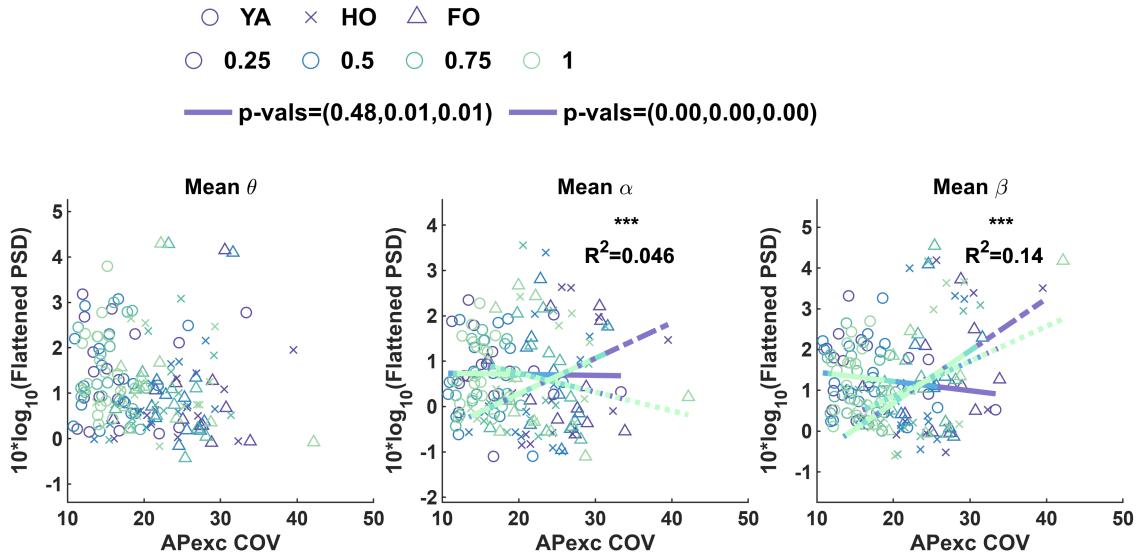
Number of observations: 168, Error degrees of freedom: 162

Root Mean Squared Error: 1.05

R-squared: 0.162, Adjusted R-Squared: 0.136

F-statistic vs. constant model: 6.26, p-value = 2.46e-05

## CL6: Frontal\_Sup\_L



```
###6-theta_avg_power) mean_APexc_mean
SumOfSquares      DF      MeanSquares      F      pValue
_____           _____           _____           _____
```

group_char	1.8198	2	0.90989	1.0653	0.34704
mean_APexc_mean	5.6936	1	5.6936	6.666	0.010712
group_char:mean_APexc_mean	5.5737	2	2.7868	3.2628	0.040813
Error	138.37	162	0.85413		
Total	156.88	167			

Linear regression model:

theta\_avg\_power ~ 1 + group\_char\*mean\_APexc\_mean

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	1.3043	0.3969	3.2863	0.0012447
group_char_H2000's	0.27503	0.56769	0.48447	0.62871
group_char_H3000's	0.92088	0.63501	1.4502	0.14894
mean_APexc_mean	2.8417	6.9502	0.40887	0.68317
group_char_H2000's:mean_APexc_mean	-16.933	10.98	-1.5422	0.12497
group_char_H3000's:mean_APexc_mean	-32.383	13.318	-2.4316	0.016123

Number of observations: 168, Error degrees of freedom: 162

Root Mean Squared Error: 0.924

R-squared: 0.118, Adjusted R-Squared: 0.0908

F-statistic vs. constant model: 4.34, p-value = 0.000993

##6-alpha\_avg\_power) mean\_APexc\_mean

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	3.7136	2	1.8568	1.8299	0.16373
mean_APexc_mean	0.0061726	1	0.0061726	0.0060832	0.93793
group_char:mean_APexc_mean	2.721	2	1.3605	1.3408	0.26453
Error	164.38	162	1.0147		
Total	168.94	167			

Linear regression model:

alpha\_avg\_power ~ 1 + group\_char\*mean\_APexc\_mean

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	1.14	0.43261	2.6352	0.009225
group_char_H2000's	-1.1673	0.61876	-1.8866	0.061008
group_char_H3000's	-0.37305	0.69214	-0.53899	0.59064
mean_APexc_mean	-7.5959	7.5753	-1.0027	0.31749
group_char_H2000's:mean_APexc_mean	19.054	11.967	1.5922	0.1133
group_char_H3000's:mean_APexc_mean	2.3906	14.515	0.16469	0.86939

Number of observations: 168, Error degrees of freedom: 162

Root Mean Squared Error: 1.01

R-squared: 0.027, Adjusted R-Squared: -0.00306

F-statistic vs. constant model: 0.898, p-value = 0.484

##6-beta\_avg\_power) mean\_APexc\_mean

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	14.176	2	7.0882	5.7961	0.0037049
mean_APexc_mean	1.373	1	1.373	1.1227	0.29092
group_char:mean_APexc_mean	12.587	2	6.2934	5.1462	0.0068103
Error	198.11	162	1.2229		
Total	214.86	167			

Linear regression model:

beta\_avg\_power ~ 1 + group\_char\*mean\_APexc\_mean

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	1.571	0.47492	3.3079	0.0011582
group_char_H2000's	-2.0604	0.67928	-3.0333	0.0028184
group_char_H3000's	0.049728	0.75984	0.065446	0.9479
mean_APexc_mean	-4.6481	8.3164	-0.55891	0.577
group_char_H2000's:mean_APexc_mean	38.421	13.138	2.9244	0.003946
group_char_H3000's:mean_APexc_mean	-4.4463	15.935	-0.27902	0.78059

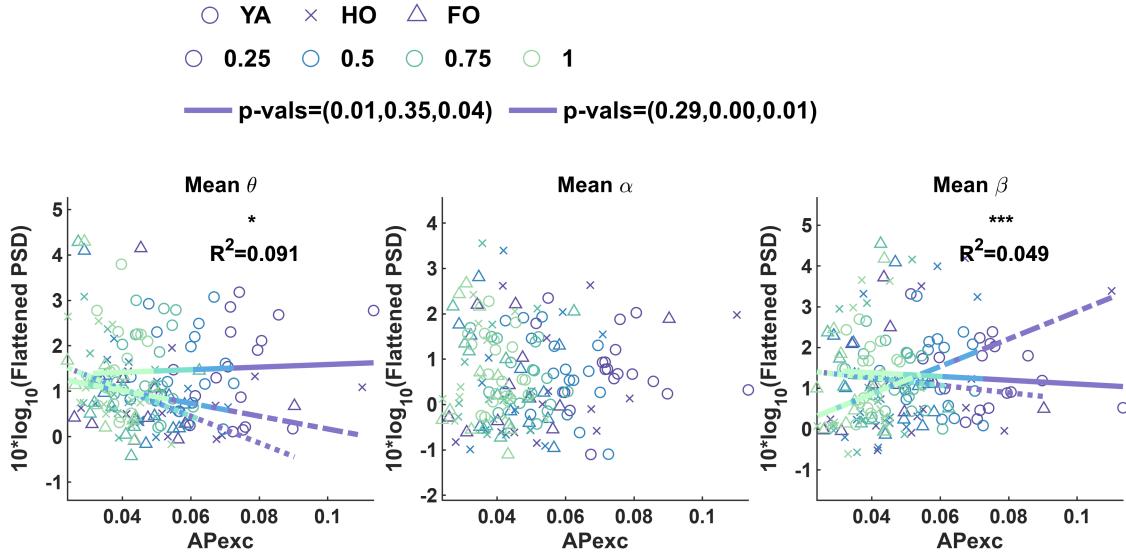
Number of observations: 168, Error degrees of freedom: 162

Root Mean Squared Error: 1.11

R-squared: 0.0779, Adjusted R-Squared: 0.0495

F-statistic vs. constant model: 2.74, p-value = 0.021

## CL6: Frontal\_Sup\_L



```
###6-theta_avg_power) mean_MLexc_COV
SumOfSquares      DF      MeanSquares      F      pValue
```

group_char	0.81989	2	0.40995	0.46414	0.62951
mean_MLexc_COV	2.4862	1	2.4862	2.8149	0.095318
group_char:mean_MLexc_COV	0.44931	2	0.22465	0.25436	0.77573
Error	143.08	162	0.88323		
Total	156.88	167			

Linear regression model:

```
theta_avg_power ~ 1 + group_char*mean_MLexc_COV
```

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	0.95323	0.35331	2.698	0.0077149
group_char_H2000's	-0.50841	0.54042	-0.94076	0.34823
group_char_H3000's	-0.10526	0.5862	-0.17956	0.85772
mean_MLexc_COV	0.032932	0.021786	1.5116	0.13258
group_char_H2000's:mean_MLexc_COV	0.0043743	0.03639	0.1202	0.90447
group_char_H3000's:mean_MLexc_COV	-0.02327	0.03766	-0.6179	0.53751

Number of observations: 168, Error degrees of freedom: 162

Root Mean Squared Error: 0.94

R-squared: 0.088, Adjusted R-Squared: 0.0598

F-statistic vs. constant model: 3.13, p-value = 0.0101

##6-alpha\_avg\_power) mean\_MLexc\_COV

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	4.4418	2	2.2209	2.1946	0.11471
mean_MLexc_COV	0.34675	1	0.34675	0.34264	0.55912
group_char:mean_MLexc_COV	3.1861	2	1.5931	1.5742	0.21033
Error	163.94	162	1.012		
Total	168.94	167			

Linear regression model:

```
alpha_avg_power ~ 1 + group_char*mean_MLexc_COV
```

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	1.1556	0.37819	3.0555	0.002628
group_char_H2000's	-1.1088	0.57847	-1.9168	0.057023
group_char_H3000's	-0.96159	0.62747	-1.5325	0.12735
mean_MLexc_COV	-0.028096	0.02332	-1.2048	0.23003
group_char_H2000's:mean_MLexc_COV	0.061567	0.038953	1.5806	0.11593
group_char_H3000's:mean_MLexc_COV	0.05256	0.040312	1.3038	0.19414

Number of observations: 168, Error degrees of freedom: 162

Root Mean Squared Error: 1.01

R-squared: 0.0296, Adjusted R-Squared: -0.000366

F-statistic vs. constant model: 0.988, p-value = 0.427

##6-beta\_avg\_power) mean\_MLexc\_COV

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	2.1842	2	1.0921	0.84226	0.43261
mean_MLexc_COV	0.1889	1	0.1889	0.14569	0.70319
group_char:mean_MLexc_COV	1.8189	2	0.90945	0.70141	0.49739
Error	210.05	162	1.2966		
Total	214.86	167			

Linear regression model:

```
beta_avg_power ~ 1 + group_char*mean_MLexc_COV
```

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	1.7828	0.42808	4.1647	5.0555e-05
group_char_H2000's	-0.53861	0.65479	-0.82257	0.41196
group_char_H3000's	-0.88558	0.71025	-1.2468	0.21425
mean_MLexc_COV	-0.030331	0.026396	-1.1491	0.25223
group_char_H2000's:mean_MLexc_COV	0.015027	0.044092	0.34082	0.73368
group_char_H3000's:mean_MLexc_COV	0.053941	0.04563	1.1821	0.23888

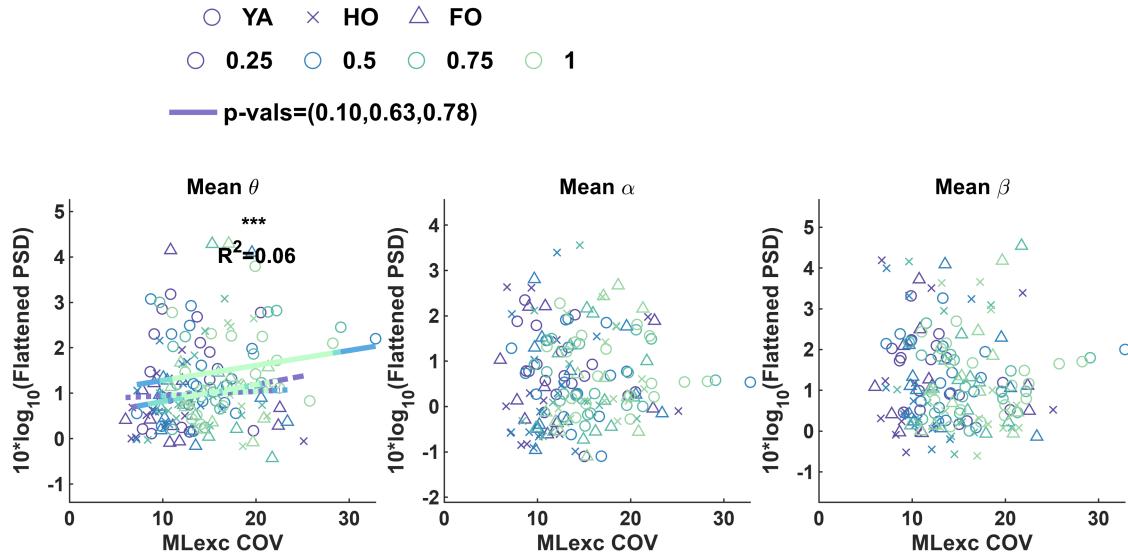
Number of observations: 168, Error degrees of freedom: 162

Root Mean Squared Error: 1.14

R-squared: 0.0224, Adjusted R-Squared: -0.00778

F-statistic vs. constant model: 0.742, p-value = 0.593

## CL6: Frontal\_Sup\_L



```
###6-theta_avg_power) mean_MLexc_mean
SumOfSquares      DF      MeanSquares      F      pValue
_____           _____           _____           _____
```

group_char	1.149	2	0.57451	0.64066	0.52827
mean_MLexc_mean	0.6576	1	0.6576	0.73331	0.39308
group_char:mean_MLexc_mean	0.41564	2	0.20782	0.23175	0.79341
Error	145.27	162	0.89675		
Total	156.88	167			

Linear regression model:

```
theta_avg_power ~ 1 + group_char*mean_MLexc_mean
```

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	1.5933	0.34891	4.5664	9.7731e-06
group_char_H2000's	-0.2876	0.48717	-0.59035	0.55578
group_char_H3000's	-0.58028	0.51304	-1.1311	0.2597
mean_MLexc_mean	-1.7118	4.2585	-0.40196	0.68824
group_char_H2000's:mean_MLexc_mean	-2.077	5.3616	-0.38739	0.69898
group_char_H3000's:mean_MLexc_mean	1.4174	5.9313	0.23898	0.81143

Number of observations: 168, Error degrees of freedom: 162

Root Mean Squared Error: 0.947

R-squared: 0.074, Adjusted R-Squared: 0.0454

F-statistic vs. constant model: 2.59, p-value = 0.0277

##6-alpha\_avg\_power) mean\_MLexc\_mean

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	3.5035	2	1.7517	1.7224	0.18189
mean_MLexc_mean	0.027412	1	0.027412	0.026954	0.8698
group_char:mean_MLexc_mean	2.3421	2	1.1711	1.1515	0.31875
Error	164.76	162	1.017		
Total	168.94	167			

Linear regression model:

```
alpha_avg_power ~ 1 + group_char*mean_MLexc_mean
```

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	1.0623	0.37157	2.8588	0.0048121
group_char_H2000's	-0.9612	0.51881	-1.8527	0.065746
group_char_H3000's	-0.43989	0.54636	-0.80513	0.42192
mean_MLexc_mean	-4.3717	4.5351	-0.96397	0.3365
group_char_H2000's:mean_MLexc_mean	8.4309	5.7098	1.4766	0.14174
group_char_H3000's:mean_MLexc_mean	3.5012	6.3166	0.55428	0.58015

Number of observations: 168, Error degrees of freedom: 162

Root Mean Squared Error: 1.01

R-squared: 0.0248, Adjusted R-Squared: -0.00535

F-statistic vs. constant model: 0.822, p-value = 0.535

##6-beta\_avg\_power) mean\_MLexc\_mean

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	9.7449	2	4.8724	3.8774	0.022654
mean_MLexc_mean	0.40454	1	0.40454	0.32192	0.57124
group_char:mean_MLexc_mean	7.266	2	3.633	2.891	0.058388
Error	203.58	162	1.2566		
Total	214.86	167			

Linear regression model:

```
beta_avg_power ~ 1 + group_char*mean_MLexc_mean
```

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	1.4953	0.41303	3.6204	0.00039296
group_char_H2000's	-1.4038	0.57671	-2.4341	0.016014
group_char_H3000's	-0.0025879	0.60733	-0.0042611	0.99661
mean_MLexc_mean	-2.3138	5.0412	-0.45897	0.64687
group_char_H2000's:mean_MLexc_mean	12.173	6.347	1.9179	0.056883
group_char_H3000's:mean_MLexc_mean	-0.68649	7.0214	-0.097771	0.92224

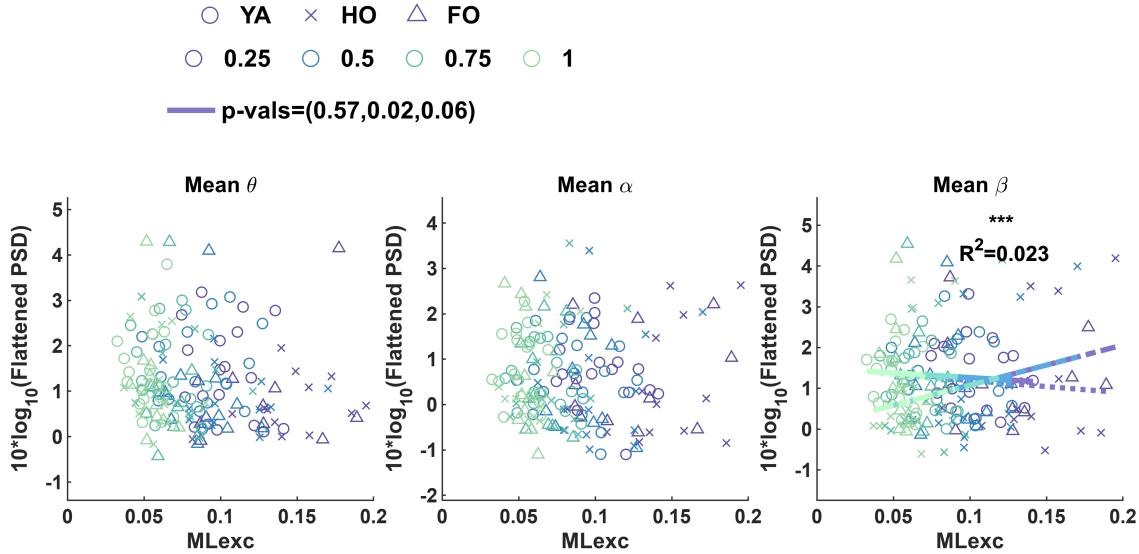
Number of observations: 168, Error degrees of freedom: 162

Root Mean Squared Error: 1.12

R-squared: 0.0525, Adjusted R-Squared: 0.0233

F-statistic vs. constant model: 1.8, p-value = 0.116

## CL6: Frontal\_Sup\_L



##6-theta_avg_power) mean_StepDur	SumOfSquares	DF	MeanSquares	F	pValue
	_____	—	_____	_____	_____

group_char	0.58534	2	0.29267	0.33507	0.71579
mean_StepDur	4.0281	1	4.0281	4.6116	0.033244
group_char:mean_StepDur	3.5466	2	1.7733	2.0302	0.13464
Error	141.5	162	0.87347		
Total	156.88	167			

Linear regression model:

theta\_avg\_power ~ 1 + group\_char\*mean\_StepDur

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	1.4672	0.32693	4.4877	1.3597e-05
group_char_H2000's	0.48223	0.59796	0.80646	0.42116
group_char_H3000's	0.23628	0.67945	0.34775	0.72848
mean_StepDur	-0.0073601	0.33371	-0.022055	0.98243
group_char_H2000's:mean_StepDur	-1.3141	0.71618	-1.8349	0.06836
group_char_H3000's:mean_StepDur	-1.02	0.89568	-1.1388	0.25649

Number of observations: 168, Error degrees of freedom: 162

Root Mean Squared Error: 0.935

R-squared: 0.098, Adjusted R-Squared: 0.0702

F-statistic vs. constant model: 3.52, p-value = 0.00475

##6-alpha\_avg\_power) mean\_StepDur

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	0.29557	2	0.14779	0.1438	0.86617
mean_StepDur	0.099199	1	0.099199	0.096524	0.75644
group_char:mean_StepDur	0.57734	2	0.28867	0.28088	0.75548
Error	166.49	162	1.0277		
Total	168.94	167			

Linear regression model:

alpha\_avg\_power ~ 1 + group\_char\*mean\_StepDur

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	0.71133	0.35462	2.0059	0.046535
group_char_H2000's	0.18626	0.64861	0.28717	0.77435
group_char_H3000's	-0.26637	0.737	-0.36142	0.71826
mean_StepDur	0.012523	0.36198	0.034595	0.97245
group_char_H2000's:mean_StepDur	-0.54419	0.77685	-0.70051	0.48461
group_char_H3000's:mean_StepDur	0.13688	0.97155	0.14089	0.88813

Number of observations: 168, Error degrees of freedom: 162

Root Mean Squared Error: 1.01

R-squared: 0.0145, Adjusted R-Squared: -0.0159

F-statistic vs. constant model: 0.477, p-value = 0.793

##6-beta\_avg\_power) mean\_StepDur

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	0.93595	2	0.46797	0.35802	0.69961
mean_StepDur	0.34779	1	0.34779	0.26607	0.60668
group_char:mean_StepDur	0.37142	2	0.18571	0.14207	0.86766
Error	211.76	162	1.3071		
Total	214.86	167			

Linear regression model:

beta\_avg\_power ~ 1 + group\_char\*mean\_StepDur

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	1.2109	0.39994	3.0278	0.0028671
group_char_H2000's	-0.59412	0.73149	-0.8122	0.41787
group_char_H3000's	0.012769	0.83118	0.015363	0.98776
mean_StepDur	0.11362	0.40823	0.27832	0.78112
group_char_H2000's:mean_StepDur	0.44184	0.87611	0.50432	0.61472
group_char_H3000's:mean_StepDur	-0.090376	1.0957	-0.082483	0.93436

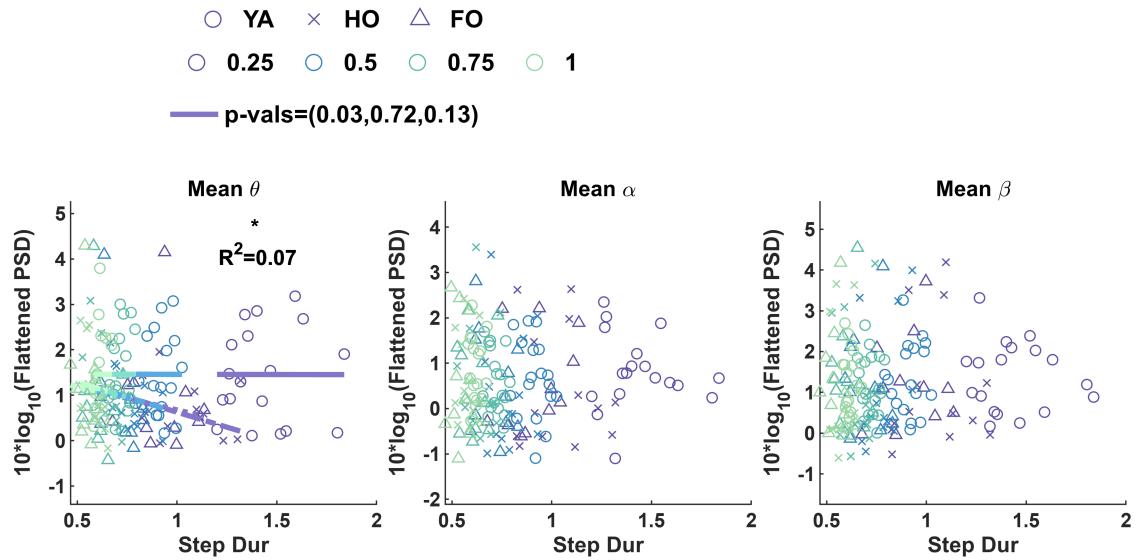
Number of observations: 168, Error degrees of freedom: 162

Root Mean Squared Error: 1.14

R-squared: 0.0145, Adjusted R-Squared: -0.016

F-statistic vs. constant model: 0.475, p-value = 0.794

## CL6: Frontal\_Sup\_L



```
###6-theta_avg_power) mean_UDexc_COV
SumOfSquares   DF    MeanSquares      F      pValue
_____        _____        _____        _____
```

group_char	2.3817	2	1.1909	1.347	0.26291
mean_UDexc_COV	3.164	1	3.164	3.5788	0.060304
group_char:mean_UDexc_COV	0.35896	2	0.17948	0.20301	0.81647
Error	143.22	162	0.88407		
Total	156.88	167			

Linear regression model:

```
theta_avg_power ~ 1 + group_char*mean_UDexc_COV
```

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	1.8302	0.28717	6.3733	1.841e-09
group_char_H2000's	-0.69287	0.42252	-1.6399	0.10297
group_char_H3000's	-0.35373	0.51928	-0.68118	0.49673
mean_UDexc_COV	-0.029466	0.021108	-1.396	0.16463
group_char_H2000's:mean_UDexc_COV	0.014692	0.029878	0.49173	0.62358
group_char_H3000's:mean_UDexc_COV	-0.0061956	0.036562	-0.16946	0.86565

Number of observations: 168, Error degrees of freedom: 162

Root Mean Squared Error: 0.94

R-squared: 0.0871, Adjusted R-Squared: 0.0589

F-statistic vs. constant model: 3.09, p-value = 0.0108

##6-alpha\_avg\_power) mean\_UDexc\_COV

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	2.0178	2	1.0089	1.0031	0.36903
mean_UDexc_COV	3.1555	1	3.1555	3.1372	0.078403
group_char:mean_UDexc_COV	1.1716	2	0.58582	0.58242	0.55971
Error	162.94	162	1.0058		
Total	168.94	167			

Linear regression model:

```
alpha_avg_power ~ 1 + group_char*mean_UDexc_COV
```

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	1.1958	0.30631	3.9038	0.00013866
group_char_H2000's	-0.62645	0.45067	-1.39	0.16643
group_char_H3000's	-0.14983	0.55389	-0.2705	0.78712
mean_UDexc_COV	-0.037676	0.022515	-1.6734	0.096178
group_char_H2000's:mean_UDexc_COV	0.031849	0.031869	0.99937	0.31911
group_char_H3000's:mean_UDexc_COV	0.0013836	0.038998	0.035478	0.97174

Number of observations: 168, Error degrees of freedom: 162

Root Mean Squared Error: 1

R-squared: 0.0355, Adjusted R-Squared: 0.00572

F-statistic vs. constant model: 1.19, p-value = 0.315

##6-beta\_avg\_power) mean\_UDexc\_COV

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	1.8143	2	0.90713	0.6938	0.50115
mean_UDexc_COV	0.11358	1	0.11358	0.086868	0.76857
group_char:mean_UDexc_COV	0.6574	2	0.3287	0.2514	0.77802
Error	211.81	162	1.3075		
Total	214.86	167			

Linear regression model:

```
beta_avg_power ~ 1 + group_char*mean_UDexc_COV
```

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	1.4744	0.34923	4.2219	4.0262e-05
group_char_H2000's	-0.57591	0.51383	-1.1208	0.26402
group_char_H3000's	-0.053949	0.63151	-0.085429	0.93203
mean_UDexc_COV	-0.012644	0.02567	-0.49257	0.62298
group_char_H2000's:mean_UDexc_COV	0.023339	0.036335	0.64232	0.52157
group_char_H3000's:mean_UDexc_COV	-0.00054517	0.044463	-0.012261	0.99023

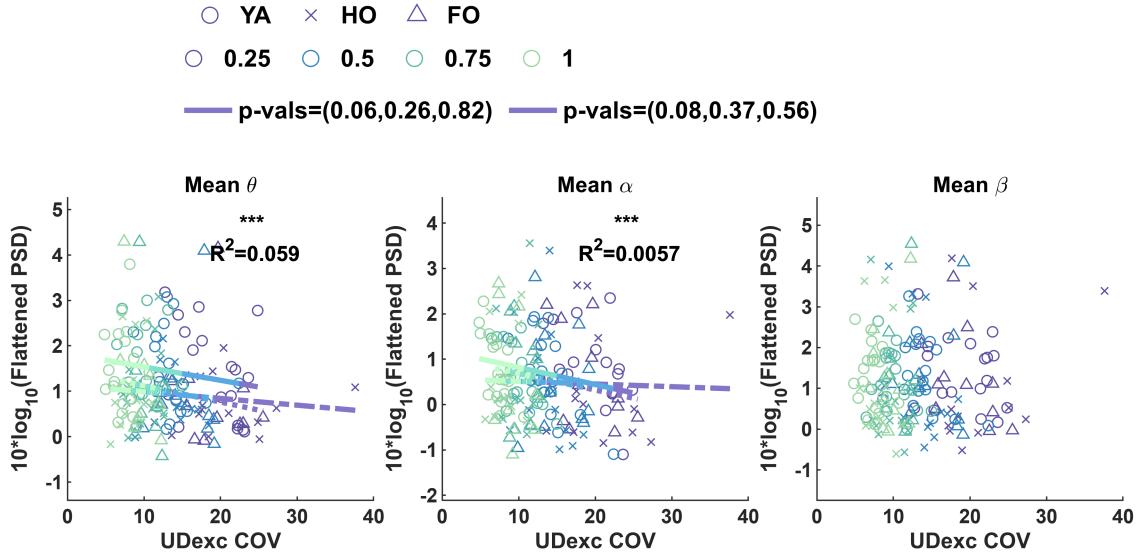
Number of observations: 168, Error degrees of freedom: 162

Root Mean Squared Error: 1.14

R-squared: 0.0142, Adjusted R-Squared: -0.0162

F-statistic vs. constant model: 0.467, p-value = 0.801

## CL6: Frontal\_Sup\_L



```
###6-theta_avg_power) mean_UDexc_mean
SumOfSquares      DF      MeanSquares      F      pValue
-----      -----      -----      -----      -----

```

group_char	1.6781	2	0.83903	0.93485	0.39475
mean_UDexc_mean	0.95942	1	0.95942	1.069	0.30271
group_char:mean_UDexc_mean	0.15744	2	0.078721	0.087711	0.91607
Error	145.4	162	0.8975		
Total	156.88	167			

Linear regression model:

theta\_avg\_power ~ 1 + group\_char\*mean\_UDexc\_mean

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	1.278	0.33639	3.7991	0.00020511
group_char_H2000's	-0.67453	0.49848	-1.3532	0.17789
group_char_H3000's	-0.3992	0.52027	-0.7673	0.44402
mean_UDexc_mean	7.773	13.522	0.57486	0.56619
group_char_H2000's:mean_UDexc_mean	5.0285	18.781	0.26774	0.78924
group_char_H3000's:mean_UDexc_mean	-3.212	20.521	-0.15652	0.87582

Number of observations: 168, Error degrees of freedom: 162

Root Mean Squared Error: 0.947

R-squared: 0.0732, Adjusted R-Squared: 0.0446

F-statistic vs. constant model: 2.56, p-value = 0.0293

##6-alpha\_avg\_power) mean\_UDexc\_mean

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	2.2006	2	1.1003	1.0909	0.33837
mean_UDexc_mean	1.729	1	1.729	1.7143	0.19229
group_char:mean_UDexc_mean	1.5299	2	0.76496	0.75842	0.47006
Error	163.4	162	1.0086		
Total	168.94	167			

Linear regression model:

alpha\_avg\_power ~ 1 + group\_char\*mean\_UDexc\_mean

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	0.50989	0.35661	1.4298	0.15469
group_char_H2000's	-0.68017	0.52844	-1.2871	0.19989
group_char_H3000's	0.049865	0.55153	0.090412	0.92807
mean_UDexc_mean	9.0758	14.334	0.63315	0.52753
group_char_H2000's:mean_UDexc_mean	16.041	19.91	0.80567	0.42161
group_char_H3000's:mean_UDexc_mean	-9.525	21.755	-0.43784	0.66208

Number of observations: 168, Error degrees of freedom: 162

Root Mean Squared Error: 1

R-squared: 0.0328, Adjusted R-Squared: 0.00295

F-statistic vs. constant model: 1.1, p-value = 0.363

##6-beta\_avg\_power) mean\_UDexc\_mean

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	3.6042	2	1.8021	1.3922	0.2515
mean_UDexc_mean	0.70852	1	0.70852	0.54734	0.46048
group_char:mean_UDexc_mean	2.0198	2	1.0099	0.78016	0.46005
Error	209.71	162	1.2945		
Total	214.86	167			

Linear regression model:

beta\_avg\_power ~ 1 + group\_char\*mean\_UDexc\_mean

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	1.4766	0.40399	3.655	0.00034709
group_char_H2000's	-0.99772	0.59866	-1.6666	0.097528
group_char_H3000's	-0.40802	0.62482	-0.65302	0.51467
mean_UDexc_mean	-6.8545	16.239	-0.4221	0.67351
group_char_H2000's:mean_UDexc_mean	28.168	22.556	1.2488	0.21353
group_char_H3000's:mean_UDexc_mean	13.996	24.645	0.56789	0.57089

Number of observations: 168, Error degrees of freedom: 162

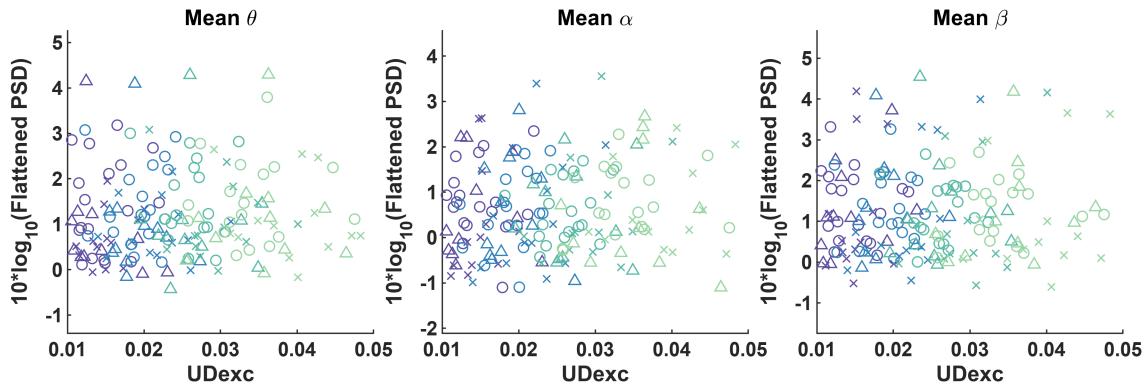
Root Mean Squared Error: 1.14

R-squared: 0.024, Adjusted R-Squared: -0.00612

F-statistic vs. constant model: 0.797, p-value = 0.554

## CL6: Frontal\_Sup\_L

○ YA    ✕ HO    △ FO  
 ○ 0.25    ○ 0.5    ○ 0.75    ○ 1



```

###6-theta_avg_power) mean_StanceDur
      SumOfSquares      DF      MeanSquares          F      pValue

```

group_char	0.057799	2	0.0289	0.03275	0.96779
mean_StanceDur	2.9467	1	2.9467	3.3393	0.069483
group_char:mean_StanceDur	2.2026	2	1.1013	1.248	0.28981
Error	142.95	162	0.88243		
Total	156.88	167			

Linear regression model:

```
theta_avg_power ~ 1 + group_char*mean_StanceDur
```

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	1.5094	0.27403	5.508	1.3989e-07
group_char_H2000's	0.1025	0.48626	0.21079	0.83332
group_char_H3000's	-0.046054	0.56314	-0.08178	0.93492
mean_StanceDur	-0.038796	0.1985	-0.19544	0.84529
group_char_H2000's:mean_StanceDur	-0.60257	0.41392	-1.4558	0.14739
group_char_H3000's:mean_StanceDur	-0.46104	0.5339	-0.86353	0.38912

Number of observations: 168, Error degrees of freedom: 162

Root Mean Squared Error: 0.939

R-squared: 0.0888, Adjusted R-Squared: 0.0607

F-statistic vs. constant model: 3.16, p-value = 0.00953

##6-alpha\_avg\_power) mean\_StanceDur

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	0.56669	2	0.28335	0.27576	0.75935
mean_StanceDur	0.0010828	1	0.0010828	0.0010538	0.97414
group_char:mean_StanceDur	0.66963	2	0.33481	0.32585	0.72238
Error	166.45	162	1.0275		
Total	168.94	167			

Linear regression model:

```
alpha_avg_power ~ 1 + group_char*mean_StanceDur
```

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	0.71396	0.2957	2.4144	0.016874
group_char_H2000's	0.04078	0.52471	0.077719	0.93815
group_char_H3000's	-0.41865	0.60767	-0.68894	0.49185
mean_StanceDur	0.007067	0.2142	0.032993	0.97372
group_char_H2000's:mean_StanceDur	-0.25837	0.44665	-0.57847	0.56375
group_char_H3000's:mean_StanceDur	0.25979	0.57612	0.45093	0.65264

Number of observations: 168, Error degrees of freedom: 162

Root Mean Squared Error: 1.01

R-squared: 0.0147, Adjusted R-Squared: -0.0157

F-statistic vs. constant model: 0.483, p-value = 0.788

##6-beta\_avg\_power) mean\_StanceDur

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	1.0222	2	0.5111	0.39093	0.67706
mean_StanceDur	0.38212	1	0.38212	0.29228	0.58951
group_char:mean_StanceDur	0.31232	2	0.15616	0.11944	0.88749
Error	211.8	162	1.3074		
Total	214.86	167			

Linear regression model:

```
beta_avg_power ~ 1 + group_char*mean_StanceDur
```

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	1.2329	0.33355	3.6964	0.00029887
group_char_H2000's	-0.51234	0.59187	-0.86563	0.38797
group_char_H3000's	-0.043808	0.68545	-0.063911	0.94912
mean_StanceDur	0.065554	0.24162	0.27132	0.78649
group_char_H2000's:mean_StanceDur	0.24044	0.50382	0.47724	0.63384
group_char_H3000's:mean_StanceDur	-0.012175	0.64987	-0.018734	0.98508

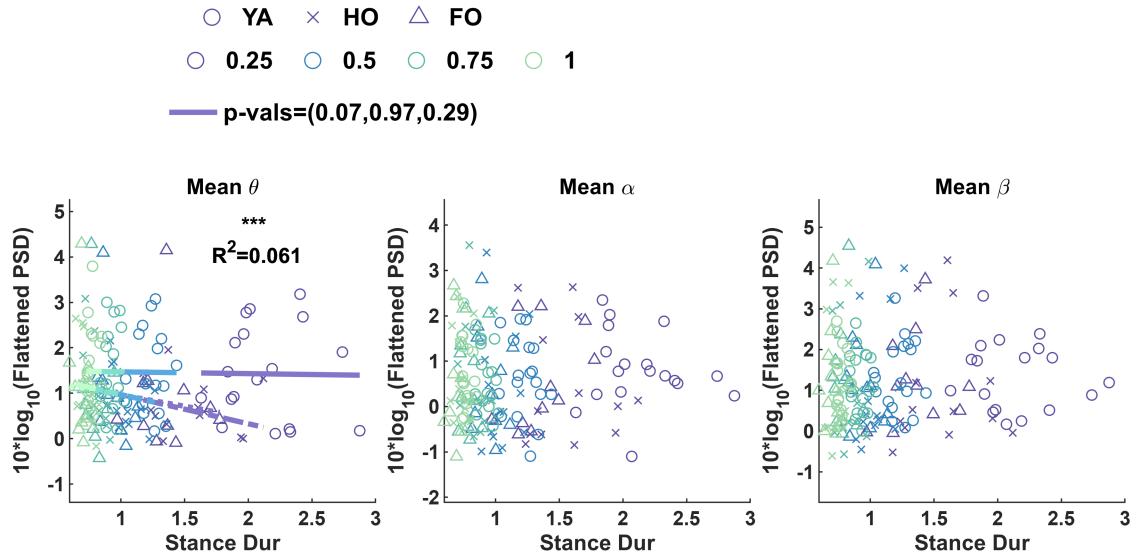
Number of observations: 168, Error degrees of freedom: 162

Root Mean Squared Error: 1.14

R-squared: 0.0143, Adjusted R-Squared: -0.0161

F-statistic vs. constant model: 0.469, p-value = 0.799

## CL6: Frontal\_Sup\_L



```
###6-theta_avg_power) mean_GaitCycleDur
SumOfSquares      DF      MeanSquares      F      pValue
_____           _____           _____           _____
```

group_char	0.57234	2	0.28617	0.32755	0.72116
mean_GaitCycleDur	4.0104	1	4.0104	4.5903	0.033646
group_char:mean_GaitCycleDur	3.518	2	1.759	2.0134	0.13686
Error	141.53	162	0.87365		
Total	156.88	167			

Linear regression model:

theta\_avg\_power ~ 1 + group\_char\*mean\_GaitCycleDur

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	1.4683	0.32677	4.4933	1.3285e-05
group_char_H2000's	0.47619	0.59739	0.79712	0.42655
group_char_H3000's	0.2345	0.67949	0.34511	0.73046
mean_GaitCycleDur	-0.0042788	0.1667	-0.025668	0.97955
group_char_H2000's:mean_GaitCycleDur	-0.65295	0.35755	-1.8262	0.069667
group_char_H3000's:mean_GaitCycleDur	-0.50868	0.4477	-1.1362	0.25755

Number of observations: 168, Error degrees of freedom: 162

Root Mean Squared Error: 0.935

R-squared: 0.0979, Adjusted R-Squared: 0.07

F-statistic vs. constant model: 3.51, p-value = 0.00482

##6-alpha\_avg\_power) mean\_GaitCycleDur

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	0.2855	2	0.14275	0.13888	0.87043
mean_GaitCycleDur	0.095144	1	0.095144	0.092566	0.76133
group_char:mean_GaitCycleDur	0.55857	2	0.27928	0.27172	0.76242
Error	166.51	162	1.0278		
Total	168.94	167			

Linear regression model:

alpha\_avg\_power ~ 1 + group\_char\*mean\_GaitCycleDur

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	0.71182	0.35444	2.0083	0.046273
group_char_H2000's	0.17853	0.64797	0.27552	0.78327
group_char_H3000's	-0.26605	0.73701	-0.36098	0.71858
mean_GaitCycleDur	0.0059945	0.18081	0.033153	0.97359
group_char_H2000's:mean_GaitCycleDur	-0.26698	0.38782	-0.68839	0.49219
group_char_H3000's:mean_GaitCycleDur	0.068092	0.4856	0.14022	0.88866

Number of observations: 168, Error degrees of freedom: 162

Root Mean Squared Error: 1.01

R-squared: 0.0144, Adjusted R-Squared: -0.016

F-statistic vs. constant model: 0.472, p-value = 0.796

##6-beta\_avg\_power) mean\_GaitCycleDur

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	0.96249	2	0.48125	0.36822	0.69254
mean_GaitCycleDur	0.36171	1	0.36171	0.27676	0.59955
group_char:mean_GaitCycleDur	0.38856	2	0.19428	0.14865	0.86199
Error	211.73	162	1.307		
Total	214.86	167			

Linear regression model:

beta\_avg\_power ~ 1 + group\_char\*mean\_GaitCycleDur

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	1.211	0.39968	3.03	0.0028473
group_char_H2000's	-0.60239	0.73067	-0.82444	0.4109
group_char_H3000's	0.010739	0.83108	0.012922	0.98971
mean_GaitCycleDur	0.056738	0.20389	0.27828	0.78115
group_char_H2000's:mean_GaitCycleDur	0.22624	0.43732	0.51732	0.60564
group_char_H3000's:mean_GaitCycleDur	-0.04373	0.54758	-0.07986	0.93645

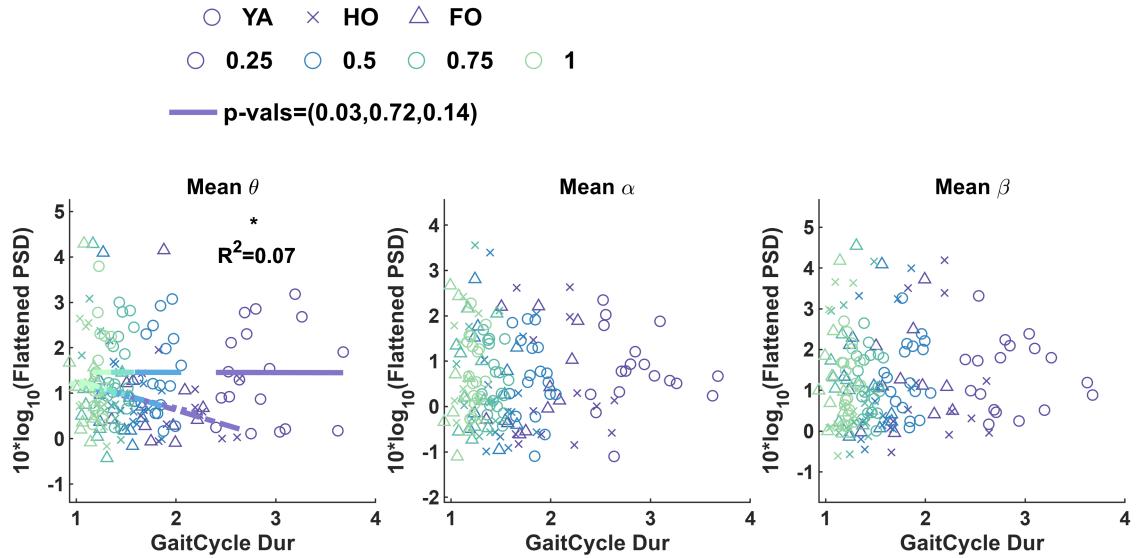
Number of observations: 168, Error degrees of freedom: 162

Root Mean Squared Error: 1.14

R-squared: 0.0146, Adjusted R-Squared: -0.0158

F-statistic vs. constant model: 0.48, p-value = 0.791

## CL6: Frontal\_Sup\_L



```
###6-theta_avg_power) mean_PeakUpDownVel_mean
SumOfSquares   DF      MeanSquares      F      pValue
-----  -----  -----  -----  -----

```

group_char	3.9431	2	1.9715	2.2121	0.11276
mean_PeakUpDownVel_mean	1.7167	1	1.7167	1.9262	0.16708
group_char:mean_PeakUpDownVel_mean	0.44683	2	0.22342	0.25068	0.77857
Error	144.38	162	0.89124		
Total	156.88	167			

Linear regression model:

theta\_avg\_power ~ 1 + group\_char\*mean\_PeakUpDownVel\_mean

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	1.3743	0.26841	5.1202	8.5686e-07
group_char_H2000's	-0.82598	0.41221	-2.0038	0.046761
group_char_H3000's	-0.60363	0.43302	-1.394	0.16523
mean_PeakUpDownVel_mean	0.37313	1.0587	0.35243	0.72497
group_char_H2000's:mean_PeakUpDownVel_mean	1.0374	1.4708	0.70535	0.4816
group_char_H3000's:mean_PeakUpDownVel_mean	0.45195	1.5783	0.28636	0.77497

Number of observations: 168, Error degrees of freedom: 162

Root Mean Squared Error: 0.944

R-squared: 0.0797, Adjusted R-Squared: 0.0513

F-statistic vs. constant model: 2.81, p-value = 0.0185

##6-alpha\_avg\_power) mean\_PeakUpDownVel\_mean

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	1.5818	2	0.79088	0.77475	0.46252
mean_PeakUpDownVel_mean	0.86855	1	0.86855	0.85084	0.35769
group_char:mean_PeakUpDownVel_mean	0.72847	2	0.36423	0.35681	0.70046
Error	165.37	162	1.0208		
Total	168.94	167			

Linear regression model:

alpha\_avg\_power ~ 1 + group\_char\*mean\_PeakUpDownVel\_mean

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	0.64275	0.28726	2.2375	0.026616
group_char_H2000's	-0.5384	0.44116	-1.2204	0.22408
group_char_H3000's	-0.12435	0.46343	-0.26832	0.78879
mean_PeakUpDownVel_mean	0.34734	1.1331	0.30654	0.75959
group_char_H2000's:mean_PeakUpDownVel_mean	1.0449	1.5741	0.66382	0.50775
group_char_H3000's:mean_PeakUpDownVel_mean	-0.23132	1.6891	-0.13695	0.89124

Number of observations: 168, Error degrees of freedom: 162

Root Mean Squared Error: 1.01

R-squared: 0.0211, Adjusted R-Squared: -0.0091

F-statistic vs. constant model: 0.699, p-value = 0.625

##6-beta\_avg\_power) mean\_PeakUpDownVel\_mean

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	2.7146	2	1.3573	1.0407	0.35557
mean_PeakUpDownVel_mean	0.010558	1	0.010558	0.008095	0.92842
group_char:mean_PeakUpDownVel_mean	1.2182	2	0.60908	0.467	0.62772
Error	211.29	162	1.3042		
Total	214.86	167			

Linear regression model:

beta\_avg\_power ~ 1 + group\_char\*mean\_PeakUpDownVel\_mean

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	1.4797	0.3247	4.5572	1.0161e-05
group_char_H2000's	-0.71427	0.49866	-1.4324	0.15396
group_char_H3000's	-0.22034	0.52383	-0.42062	0.67459
mean_PeakUpDownVel_mean	-0.71066	1.2808	-0.55488	0.57974
group_char_H2000's:mean_PeakUpDownVel_mean	1.6998	1.7792	0.95536	0.34082
group_char_H3000's:mean_PeakUpDownVel_mean	0.63679	1.9092	0.33353	0.73917

Number of observations: 168, Error degrees of freedom: 162

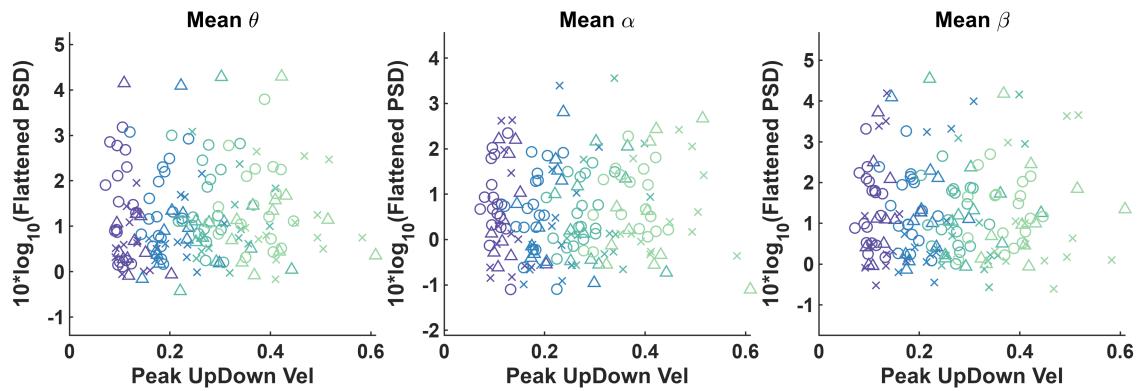
Root Mean Squared Error: 1.14

R-squared: 0.0166, Adjusted R-Squared: -0.0137

F-statistic vs. constant model: 0.548, p-value = 0.739

## CL6: Frontal\_Sup\_L

○ YA    ✕ HO    △ FO  
 ○ 0.25    ○ 0.5    ○ 0.75    ○ 1



```

##7-theta_avg_power) mean_APexc_COV
      SumOfSquares      DF      MeanSquares      F      pValue

```

group_char	0.84533	2	0.42267	0.91637	0.40226
mean_APexc_COV	0.15783	1	0.15783	0.34218	0.55947
group_char:mean_APexc_COV	0.77163	2	0.38581	0.83646	0.4353
Error	67.341	146	0.46124		
Total	69.64	151			

Linear regression model:

theta\_avg\_power ~ 1 + group\_char\*mean\_APexc\_COV

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	0.43469	0.3857	1.127	0.26159
group_char_H2000's	0.20454	0.58668	0.34863	0.72787
group_char_H3000's	0.68541	0.5221	1.3128	0.19131
mean_APexc_COV	0.0033862	0.023227	0.14579	0.88429
group_char_H2000's:mean_APexc_COV	-0.0021874	0.030516	-0.07168	0.94295
group_char_H3000's:mean_APexc_COV	-0.027529	0.026946	-1.0216	0.30864

Number of observations: 152, Error degrees of freedom: 146

Root Mean Squared Error: 0.679

R-squared: 0.033, Adjusted R-Squared: -0.000113

F-statistic vs. constant model: 0.997, p-value = 0.422

##7-alpha\_avg\_power) mean\_APexc\_COV

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	31.897	2	15.949	4.2116	0.016663
mean_APexc_COV	12.378	1	12.378	3.2686	0.072675
group_char:mean_APexc_COV	17.216	2	8.6078	2.2731	0.10663
Error	552.88	146	3.7868		
Total	687.25	151			

Linear regression model:

alpha\_avg\_power ~ 1 + group\_char\*mean\_APexc\_COV

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	1.7238	1.1051	1.5598	0.12097
group_char_H2000's	4.8453	1.681	2.8824	0.0045436
group_char_H3000's	1.6503	1.496	1.1031	0.27178
mean_APexc_COV	-0.012731	0.066553	-0.19129	0.84856
group_char_H2000's:mean_APexc_COV	-0.13826	0.087439	-1.5812	0.116
group_char_H3000's:mean_APexc_COV	0.0032509	0.077208	0.042105	0.96647

Number of observations: 152, Error degrees of freedom: 146

Root Mean Squared Error: 1.95

R-squared: 0.196, Adjusted R-Squared: 0.168

F-statistic vs. constant model: 7.1, p-value = 5.72e-06

##7-beta\_avg\_power) mean\_APexc\_COV

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	4.5393	2	2.2696	2.5766	0.079486
mean_APexc_COV	6.6038	1	6.6038	7.497	0.0069496
group_char:mean_APexc_COV	5.3132	2	2.6566	3.0159	0.052063
Error	128.61	146	0.88086		
Total	138.23	151			

Linear regression model:

beta\_avg\_power ~ 1 + group\_char\*mean\_APexc\_COV

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	1.5978	0.53301	2.9976	0.0031989
group_char_H2000's	1.0567	0.81076	1.3033	0.19453
group_char_H3000's	-0.71557	0.72151	-0.99178	0.32295
mean_APexc_COV	-0.042647	0.032099	-1.3286	0.18604
group_char_H2000's:mean_APexc_COV	-0.039492	0.042172	-0.93646	0.35058
group_char_H3000's:mean_APexc_COV	0.040925	0.037237	1.099	0.27356

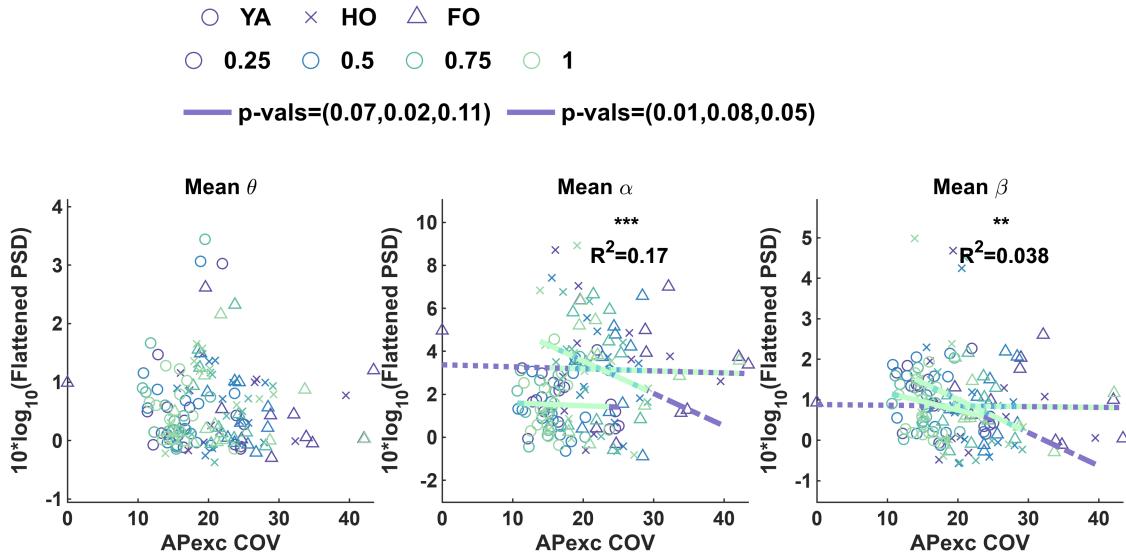
Number of observations: 152, Error degrees of freedom: 146

Root Mean Squared Error: 0.939

R-squared: 0.0696, Adjusted R-Squared: 0.0378

F-statistic vs. constant model: 2.19, p-value = 0.0589

## CL7: Rolandic\_Oper\_L



```
##7-theta_avg_power) mean_APexc_mean
SumOfSquares      DF      MeanSquares      F      pValue
_____           _____           _____           _____
```

group_char	1.1231	2	0.56153	1.2044	0.30283
mean_APexc_mean	0.091878	1	0.091878	0.19707	0.65776
group_char:mean_APexc_mean	0.72224	2	0.36112	0.77456	0.46279
Error	68.069	146	0.46623		
Total	69.64	151			

Linear regression model:

theta\_avg\_power ~ 1 + group\_char\*mean\_APexc\_mean

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	0.28863	0.33638	0.85805	0.39227
group_char_H2000's	0.77123	0.50659	1.5224	0.13007
group_char_H3000's	0.22751	0.43459	0.5235	0.60142
mean_APexc_mean	3.8624	6.2553	0.61747	0.53789
group_char_H2000's:mean_APexc_mean	-13.359	10.775	-1.2398	0.21702
group_char_H3000's:mean_APexc_mean	-3.6599	8.5293	-0.4291	0.66849

Number of observations: 152, Error degrees of freedom: 146

Root Mean Squared Error: 0.683

R-squared: 0.0226, Adjusted R-Squared: -0.0109

F-statistic vs. constant model: 0.674, p-value = 0.644

##7-alpha\_avg\_power) mean\_APexc\_mean

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	35.906	2	17.953	4.8672	0.0089887
mean_APexc_mean	19.717	1	19.717	5.3455	0.022175
group_char:mean_APexc_mean	34.762	2	17.381	4.7121	0.010397
Error	538.53	146	3.6886		
Total	687.25	151			

Linear regression model:

alpha\_avg\_power ~ 1 + group\_char\*mean\_APexc\_mean

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	0.80753	0.94615	0.85349	0.39478
group_char_H2000's	-0.77456	1.4249	-0.54359	0.58755
group_char_H3000's	2.88	1.2224	2.3561	0.019799
mean_APexc_mean	13.651	17.595	0.77588	0.43907
group_char_H2000's:mean_APexc_mean	64.701	30.307	2.1348	0.034444
group_char_H3000's:mean_APexc_mean	-26.082	23.991	-1.0872	0.27874

Number of observations: 152, Error degrees of freedom: 146

Root Mean Squared Error: 1.92

R-squared: 0.216, Adjusted R-Squared: 0.19

F-statistic vs. constant model: 8.06, p-value = 9.68e-07

##7-beta\_avg\_power) mean\_APexc\_mean

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	8.5776	2	4.2888	5.0155	0.0078227
mean_APexc_mean	7.6556	1	7.6556	8.9528	0.0032537
group_char:mean_APexc_mean	10.025	2	5.0124	5.8617	0.0035593
Error	124.85	146	0.85511		
Total	138.23	151			

Linear regression model:

beta\_avg\_power ~ 1 + group\_char\*mean\_APexc\_mean

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	0.44079	0.45556	0.96758	0.33485
group_char_H2000's	-1.4268	0.68606	-2.0797	0.039298
group_char_H3000's	0.57687	0.58856	0.98014	0.32864
mean_APexc_mean	8.9622	8.4715	1.0579	0.29184
group_char_H2000's:mean_APexc_mean	35.7	14.592	2.4465	0.015613
group_char_H3000's:mean_APexc_mean	-13.004	11.551	-1.1258	0.26209

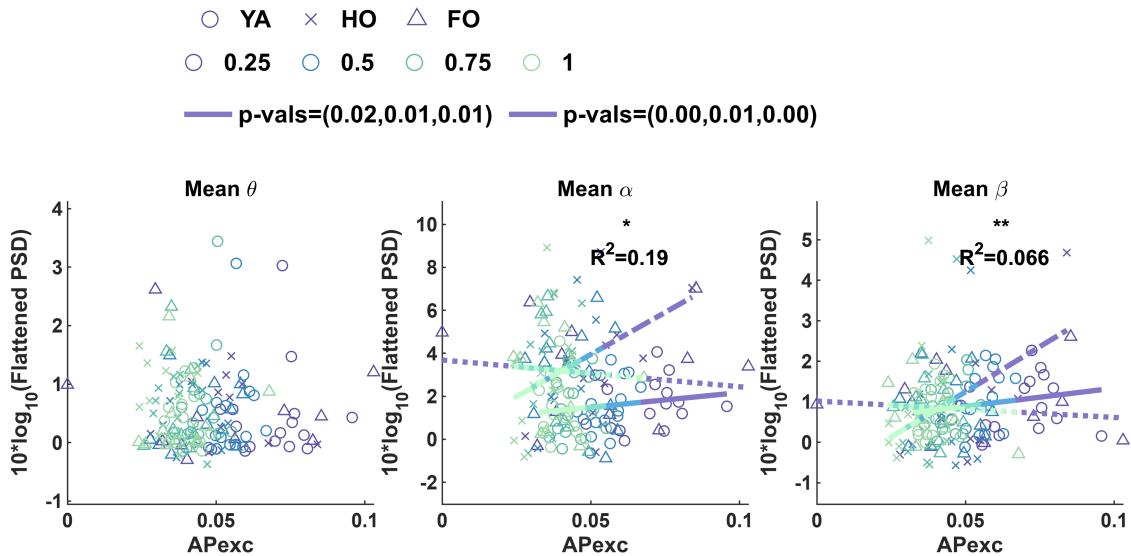
Number of observations: 152, Error degrees of freedom: 146

Root Mean Squared Error: 0.925

R-squared: 0.0968, Adjusted R-Squared: 0.0659

F-statistic vs. constant model: 3.13, p-value = 0.0103

## CL7: Rolandic\_Oper\_L



```
##7-theta_avg_power) mean_MLexc_COV
SumOfSquares   DF    MeanSquares      F      pValue
_____
```

group_char	0.22198	2	0.11099	0.24146	0.7858
mean_MLexc_COV	0.47498	1	0.47498	1.0333	0.31106
group_char:mean_MLexc_COV	0.59608	2	0.29804	0.64839	0.52439
Error	67.111	146	0.45966		
Total	69.64	151			

Linear regression model:

```
theta_avg_power ~ 1 + group_char*mean_MLexc_COV
```

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	0.8396	0.23364	3.5935	0.00044525
group_char_H2000's	-0.28228	0.41341	-0.68281	0.49581
group_char_H3000's	-0.044903	0.37451	-0.1199	0.90473
mean_MLexc_COV	-0.025348	0.015765	-1.6078	0.11004
group_char_H2000's:mean_MLexc_COV	0.033811	0.029988	1.1275	0.26139
group_char_H3000's:mean_MLexc_COV	0.0054642	0.025643	0.21309	0.83155

Number of observations: 152, Error degrees of freedom: 146

Root Mean Squared Error: 0.678

R-squared: 0.0363, Adjusted R-Squared: 0.00331

F-statistic vs. constant model: 1.1, p-value = 0.363

##7-alpha\_avg\_power) mean\_MLexc\_COV

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	7.1293	2	3.5646	0.90039	0.40866
mean_MLexc_COV	0.52698	1	0.52698	0.13311	0.71576
group_char:mean_MLexc_COV	0.83638	2	0.41819	0.10563	0.89983
Error	578.01	146	3.959		
Total	687.25	151			

Linear regression model:

```
alpha_avg_power ~ 1 + group_char*mean_MLexc_COV
```

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	1.9764	0.68569	2.8823	0.0045444
group_char_H2000's	1.3245	1.2133	1.0917	0.27678
group_char_H3000's	1.2257	1.0991	1.1152	0.26659
mean_MLexc_COV	-0.033217	0.046268	-0.71792	0.47395
group_char_H2000's:mean_MLexc_COV	0.032249	0.088007	0.36643	0.71457
group_char_H3000's:mean_MLexc_COV	0.028673	0.075255	0.38101	0.70375

Number of observations: 152, Error degrees of freedom: 146

Root Mean Squared Error: 1.99

R-squared: 0.159, Adjusted R-Squared: 0.13

F-statistic vs. constant model: 5.52, p-value = 0.00011

##7-beta\_avg\_power) mean\_MLexc\_COV

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	0.85217	2	0.42609	0.45527	0.63518
mean_MLexc_COV	0.41114	1	0.41114	0.4393	0.50851
group_char:mean_MLexc_COV	0.71805	2	0.35903	0.38361	0.68208
Error	136.64	146	0.93591		
Total	138.23	151			

Linear regression model:

```
beta_avg_power ~ 1 + group_char*mean_MLexc_COV
```

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	1.2767	0.33339	3.8295	0.00019001
group_char_H2000's	-0.24559	0.5899	-0.41632	0.67779
group_char_H3000's	-0.50781	0.53439	-0.95026	0.34355
mean_MLexc_COV	-0.026774	0.022496	-1.1902	0.23592
group_char_H2000's:mean_MLexc_COV	0.014116	0.04279	0.32988	0.74196
group_char_H3000's:mean_MLexc_COV	0.031997	0.03659	0.87449	0.38329

Number of observations: 152, Error degrees of freedom: 146

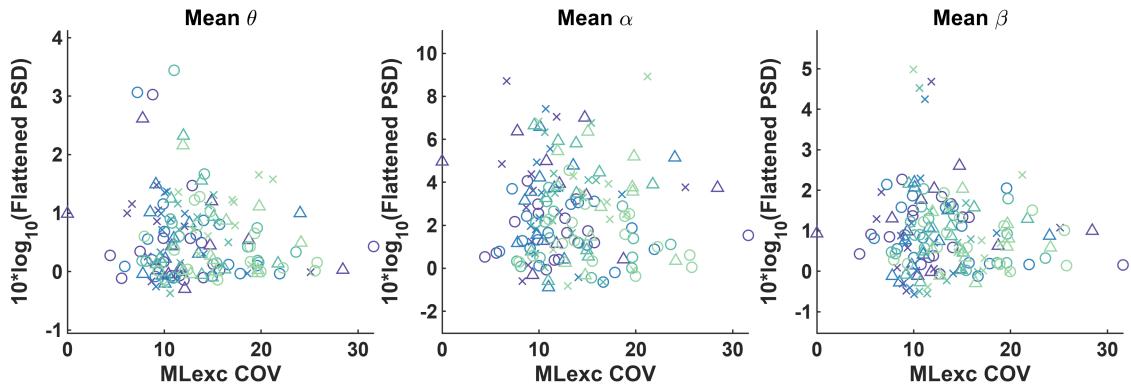
Root Mean Squared Error: 0.967

R-squared: 0.0115, Adjusted R-Squared: -0.0223

F-statistic vs. constant model: 0.34, p-value = 0.888

## CL7: Rolandic\_Oper\_L

○ YA    ✕ HO    △ FO  
 ○ 0.25    ○ 0.5    ○ 0.75    ○ 1



```

##7-theta_avg_power) mean_MLexc_mean
      SumOfSquares      DF      MeanSquares      F      pValue
      _____      _____      _____      _____      _____
  
```

group_char	1.2228	2	0.61142	1.315	0.27164
mean_MLexc_mean	0.15	1	0.15	0.32261	0.57091
group_char:mean_MLexc_mean	0.70775	2	0.35388	0.76108	0.469
Error	67.885	146	0.46496		
Total	69.64	151			

Linear regression model:

theta\_avg\_power ~ 1 + group\_char\*mean\_MLexc\_mean

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	0.29273	0.25197	1.1617	0.24723
group_char_H2000's	0.54568	0.37495	1.4554	0.14772
group_char_H3000's	0.018577	0.36069	0.051505	0.95899
mean_MLexc_mean	2.4838	2.9925	0.83001	0.40789
group_char_H2000's:mean_MLexc_mean	-4.4644	4.2025	-1.0623	0.28984
group_char_H3000's:mean_MLexc_mean	-0.20156	3.9171	-0.051457	0.95903

Number of observations: 152, Error degrees of freedom: 146

Root Mean Squared Error: 0.682

R-squared: 0.0252, Adjusted R-Squared: -0.00818

F-statistic vs. constant model: 0.755, p-value = 0.584

##7-alpha\_avg\_power) mean\_MLexc\_mean

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	19.088	2	9.544	2.4094	0.093435
mean_MLexc_mean	0.00023394	1	0.00023394	5.9058e-05	0.99388
group_char:mean_MLexc_mean	1.719	2	0.85948	0.21698	0.80521
Error	578.33	146	3.9611		
Total	687.25	151			

Linear regression model:

alpha\_avg\_power ~ 1 + group\_char\*mean\_MLexc\_mean

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	1.3463	0.73545	1.8306	0.069202
group_char_H2000's	1.7565	1.0944	1.605	0.11066
group_char_H3000's	2.1853	1.0528	2.0758	0.039666
mean_MLexc_mean	2.162	8.7345	0.24753	0.80485
group_char_H2000's:mean_MLexc_mean	-0.037511	12.266	-0.0030581	0.99756
group_char_H3000's:mean_MLexc_mean	-6.3386	11.433	-0.55441	0.58015

Number of observations: 152, Error degrees of freedom: 146

Root Mean Squared Error: 1.99

R-squared: 0.158, Adjusted R-Squared: 0.13

F-statistic vs. constant model: 5.5, p-value = 0.000114

##7-beta\_avg\_power) mean\_MLexc\_mean

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	1.1809	2	0.59047	0.6321	0.53292
mean_MLexc_mean	0.076549	1	0.076549	0.081946	0.77508
group_char:mean_MLexc_mean	1.7208	2	0.86041	0.92107	0.40039
Error	136.38	146	0.93414		
Total	138.23	151			

Linear regression model:

beta\_avg\_power ~ 1 + group\_char\*mean\_MLexc\_mean

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	0.60776	0.35715	1.7017	0.09094
group_char_H2000's	0.11996	0.53146	0.22571	0.82174
group_char_H3000's	0.55138	0.51124	1.0785	0.28258
mean_MLexc_mean	3.7761	4.2416	0.89024	0.3748
group_char_H2000's:mean_MLexc_mean	-2.1522	5.9567	-0.3613	0.7184
group_char_H3000's:mean_MLexc_mean	-7.1862	5.5521	-1.2943	0.1976

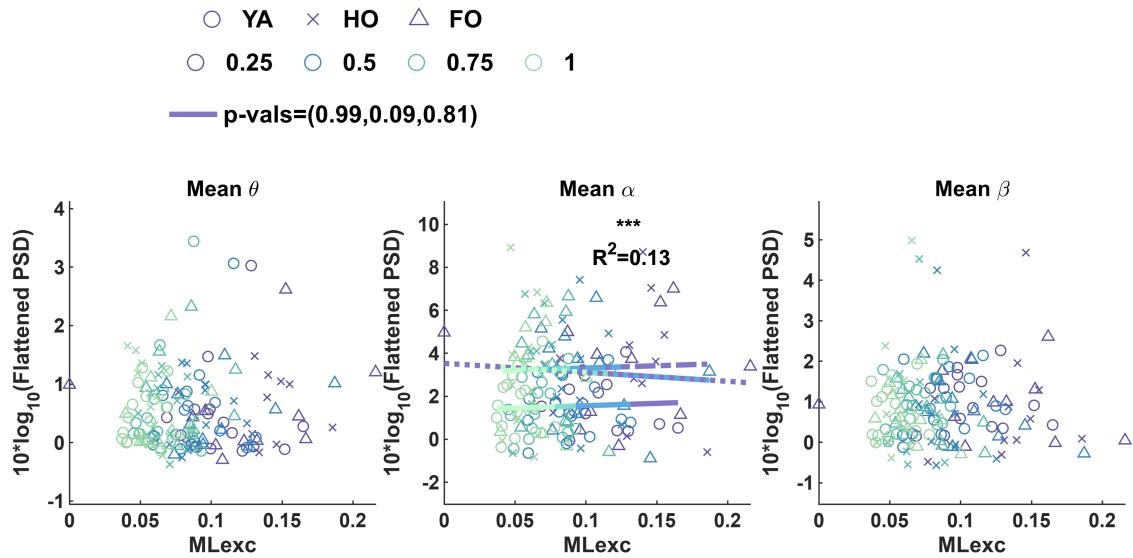
Number of observations: 152, Error degrees of freedom: 146

Root Mean Squared Error: 0.967

R-squared: 0.0134, Adjusted R-Squared: -0.0204

F-statistic vs. constant model: 0.396, p-value = 0.851

## CL7: Rolandic\_Oper\_L



```
##7-theta_avg_power) mean_StepDur
SumOfSquares      DF      MeanSquares      F      pValue
_____          _____          _____          _____
```

group_char	0.97025	2	0.48512	1.0417	0.35545
mean_StepDur	0.1879	1	0.1879	0.4035	0.52628
group_char:mean_StepDur	0.76862	2	0.38431	0.82525	0.44016
Error	67.99	146	0.46569		
Total	69.64	151			

Linear regression model:

theta\_avg\_power ~ 1 + group\_char\*mean\_StepDur

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	0.46896	0.26231	1.7878	0.075876
group_char_H2000's	0.38572	0.4739	0.81392	0.41701
group_char_H3000's	-0.49546	0.53485	-0.92635	0.35579
mean_StepDur	0.022903	0.27612	0.082945	0.93401
group_char_H2000's:mean_StepDur	-0.27768	0.5822	-0.47696	0.6341
group_char_H3000's:mean_StepDur	0.76173	0.70321	1.0832	0.2805

Number of observations: 152, Error degrees of freedom: 146

Root Mean Squared Error: 0.682

R-squared: 0.0237, Adjusted R-Squared: -0.00975

F-statistic vs. constant model: 0.708, p-value = 0.618

##7-alpha\_avg\_power) mean\_StepDur

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	4.649	2	2.3245	0.60007	0.55012
mean_StepDur	8.8938	1	8.8938	2.2959	0.13188
group_char:mean_StepDur	5.9906	2	2.9953	0.77324	0.4634
Error	565.57	146	3.8737		
Total	687.25	151			

Linear regression model:

alpha\_avg\_power ~ 1 + group\_char\*mean\_StepDur

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	1.0151	0.75653	1.3417	0.18177
group_char_H2000's	0.32553	1.3668	0.23817	0.81208
group_char_H3000's	1.6873	1.5426	1.0938	0.27584
mean_StepDur	0.55942	0.79637	0.70246	0.48351
group_char_H2000's:mean_StepDur	2.0608	1.6791	1.2273	0.22169
group_char_H3000's:mean_StepDur	0.063791	2.0282	0.031452	0.97495

Number of observations: 152, Error degrees of freedom: 146

Root Mean Squared Error: 1.97

R-squared: 0.177, Adjusted R-Squared: 0.149

F-statistic vs. constant model: 6.28, p-value = 2.61e-05

##7-beta\_avg\_power) mean\_StepDur

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	0.49285	2	0.24642	0.26567	0.76706
mean_StepDur	1.9716	1	1.9716	2.1256	0.147
group_char:mean_StepDur	0.61878	2	0.30939	0.33356	0.71691
Error	135.42	146	0.92754		
Total	138.23	151			

Linear regression model:

beta\_avg\_power ~ 1 + group\_char\*mean\_StepDur

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	0.60806	0.37019	1.6425	0.10263
group_char_H2000's	-0.48431	0.66881	-0.72413	0.47014
group_char_H3000's	-0.087703	0.75484	-0.11619	0.90766
mean_StepDur	0.33273	0.38969	0.85383	0.3946
group_char_H2000's:mean_StepDur	0.67066	0.82166	0.81622	0.4157
group_char_H3000's:mean_StepDur	0.12165	0.99245	0.12258	0.90261

Number of observations: 152, Error degrees of freedom: 146

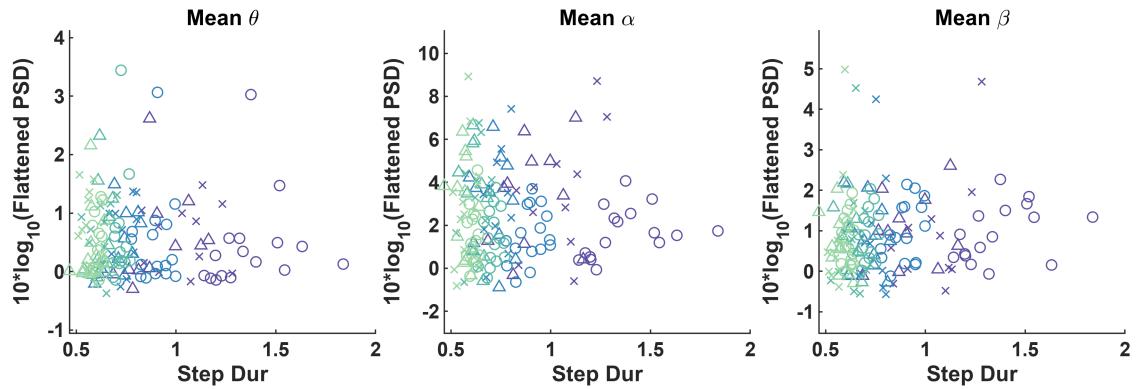
Root Mean Squared Error: 0.963

R-squared: 0.0203, Adjusted R-Squared: -0.0132

F-statistic vs. constant model: 0.606, p-value = 0.695

## CL7: Rolandic\_Oper\_L

○ YA    ✕ HO    △ FO  
 ○ 0.25    ○ 0.5    ○ 0.75    ○ 1



```
##7-theta_avg_power) mean_UDexc_COV
SumOfSquares   DF      MeanSquares      F      pValue
_____        _____        _____        _____
```

group_char	0.85894	2	0.42947	0.92044	0.40064
mean_UDexc_COV	0.30915	1	0.30915	0.66257	0.41698
group_char:mean_UDexc_COV	0.46541	2	0.23271	0.49874	0.60833
Error	68.122	146	0.46659		
Total	69.64	151			

Linear regression model:

theta\_avg\_power ~ 1 + group\_char\*mean\_UDexc\_COV

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	0.42118	0.21919	1.9215	0.056614
group_char_H2000's	0.4537	0.3488	1.3007	0.1954
group_char_H3000's	0.30286	0.34886	0.86817	0.38673
mean_UDexc_COV	0.0056184	0.016593	0.3386	0.7354
group_char_H2000's:mean_UDexc_COV	-0.021519	0.025257	-0.852	0.39561
group_char_H3000's:mean_UDexc_COV	-0.021724	0.026236	-0.82801	0.40902

Number of observations: 152, Error degrees of freedom: 146

Root Mean Squared Error: 0.683

R-squared: 0.0218, Adjusted R-Squared: -0.0117

F-statistic vs. constant model: 0.651, p-value = 0.661

##7-alpha\_avg\_power) mean\_UDexc\_COV

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	37.09	2	18.545	4.7673	0.009872
mean_UDexc_COV	5.5921	1	5.5921	1.4375	0.23248
group_char:mean_UDexc_COV	7.2276	2	3.6138	0.92896	0.39728
Error	567.96	146	3.8901		
Total	687.25	151			

Linear regression model:

alpha\_avg\_power ~ 1 + group\_char\*mean\_UDexc\_COV

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	1.5177	0.6329	2.3981	0.017745
group_char_H2000's	3.0341	1.0071	3.0126	0.0030544
group_char_H3000's	1.8251	1.0073	1.8119	0.072058
mean_UDexc_COV	-1.1206e-05	0.047911	-0.00023389	0.99981
group_char_H2000's:mean_UDexc_COV	-0.095826	0.07293	-1.3139	0.19092
group_char_H3000's:mean_UDexc_COV	-0.016372	0.075756	-0.21611	0.8292

Number of observations: 152, Error degrees of freedom: 146

Root Mean Squared Error: 1.97

R-squared: 0.174, Adjusted R-Squared: 0.145

F-statistic vs. constant model: 6.13, p-value = 3.46e-05

##7-beta\_avg\_power) mean\_UDexc\_COV

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	2.8563	2	1.4281	1.5543	0.21482
mean_UDexc_COV	0.76033	1	0.76033	0.82748	0.3645
group_char:mean_UDexc_COV	3.1872	2	1.5936	1.7343	0.18013
Error	134.15	146	0.91885		
Total	138.23	151			

Linear regression model:

beta\_avg\_power ~ 1 + group\_char\*mean\_UDexc\_COV

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	0.93168	0.30759	3.0289	0.0029032
group_char_H2000's	0.6466	0.48948	1.321	0.18857
group_char_H3000's	-0.26987	0.48956	-0.55125	0.58231
mean_UDexc_COV	-0.0020317	0.023285	-0.087253	0.93059
group_char_H2000's:mean_UDexc_COV	-0.051722	0.035444	-1.4593	0.14664
group_char_H3000's:mean_UDexc_COV	0.016434	0.036818	0.44635	0.656

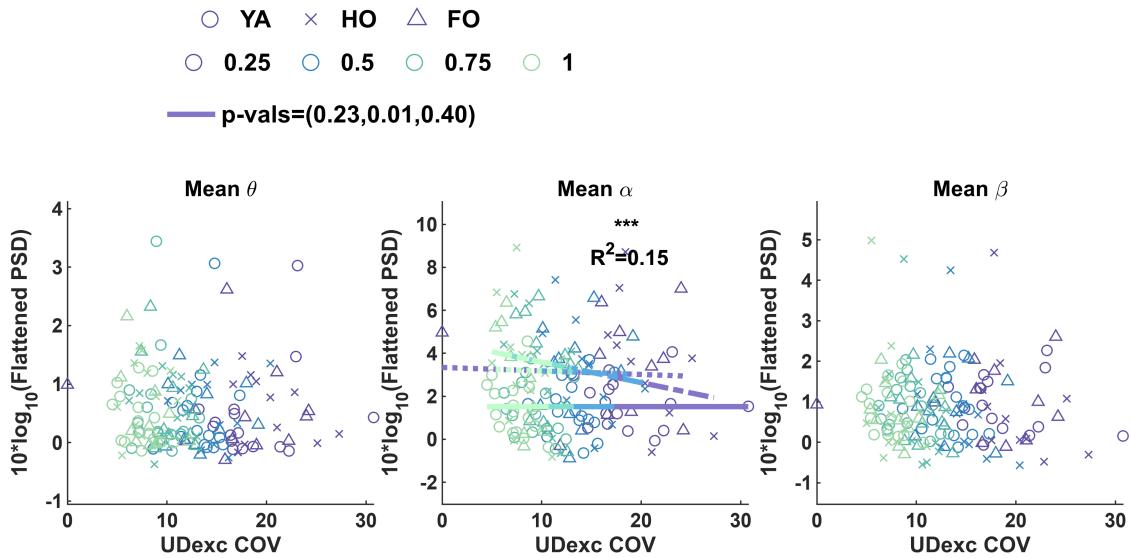
Number of observations: 152, Error degrees of freedom: 146

Root Mean Squared Error: 0.959

R-squared: 0.0295, Adjusted R-Squared: -0.00372

F-statistic vs. constant model: 0.888, p-value = 0.491

## CL7: Rolandic\_Oper\_L



```
##7-theta_avg_power) mean_UDexc_mean
SumOfSquares      DF      MeanSquares      F      pValue
_____           _____           _____           _____
```

group_char	0.47507	2	0.23754	0.50947	0.60188
mean_UDexc_mean	0.14985	1	0.14985	0.32139	0.57164
group_char:mean_UDexc_mean	0.62387	2	0.31194	0.66904	0.51376
Error	68.071	146	0.46624		
Total	69.64	151			

Linear regression model:

theta\_avg\_power ~ 1 + group\_char\*mean\_UDexc\_mean

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	0.3033	0.25933	1.1696	0.24408
group_char_H2000's	0.16882	0.37749	0.44722	0.65538
group_char_H3000's	0.38713	0.38362	1.0091	0.31458
mean_UDexc_mean	8.3028	10.918	0.7605	0.44818
group_char_H2000's:mean_UDexc_mean	-0.4495	15.036	-0.029895	0.97619
group_char_H3000's:mean_UDexc_mean	-14.342	14.547	-0.98587	0.32583

Number of observations: 152, Error degrees of freedom: 146

Root Mean Squared Error: 0.683

R-squared: 0.0225, Adjusted R-Squared: -0.011

F-statistic vs. constant model: 0.673, p-value = 0.645

##7-alpha\_avg\_power) mean\_UDexc\_mean

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	35.729	2	17.865	4.6713	0.010803
mean_UDexc_mean	1.9983	1	1.9983	0.52253	0.47092
group_char:mean_UDexc_mean	18.607	2	9.3033	2.4326	0.091356
Error	558.35	146	3.8243		
Total	687.25	151			

Linear regression model:

alpha\_avg\_power ~ 1 + group\_char\*mean\_UDexc\_mean

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	1.4938	0.74272	2.0112	0.046141
group_char_H2000's	1.21	1.0811	1.1192	0.26488
group_char_H3000's	3.3386	1.0987	3.0387	0.0028158
mean_UDexc_mean	1.062	31.268	0.033963	0.97295
group_char_H2000's:mean_UDexc_mean	22.711	43.062	0.5274	0.59871
group_char_H3000's:mean_UDexc_mean	-62.844	41.663	-1.5084	0.13361

Number of observations: 152, Error degrees of freedom: 146

Root Mean Squared Error: 1.96

R-squared: 0.188, Adjusted R-Squared: 0.16

F-statistic vs. constant model: 6.74, p-value = 1.11e-05

##7-beta\_avg\_power) mean\_UDexc\_mean

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	3.3496	2	1.6748	1.8259	0.16474
mean_UDexc_mean	0.099101	1	0.099101	0.10804	0.74286
group_char:mean_UDexc_mean	4.0064	2	2.0032	2.1839	0.11627
Error	133.92	146	0.91728		
Total	138.23	151			

Linear regression model:

beta\_avg\_power ~ 1 + group\_char\*mean\_UDexc\_mean

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	1.0028	0.36375	2.7569	0.0065795
group_char_H2000's	-0.59332	0.52948	-1.1206	0.26431
group_char_H3000's	0.45761	0.53808	0.85045	0.39647
mean_UDexc_mean	-4.2741	15.313	-0.27911	0.78056
group_char_H2000's:mean_UDexc_mean	22.985	21.09	1.0899	0.27757
group_char_H3000's:mean_UDexc_mean	-18.39	20.404	-0.90129	0.36892

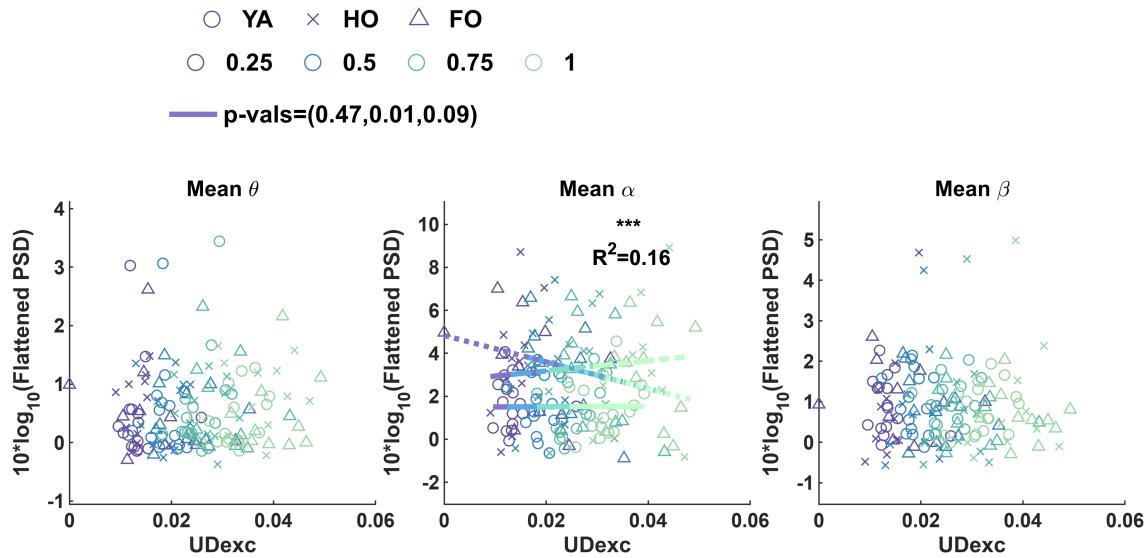
Number of observations: 152, Error degrees of freedom: 146

Root Mean Squared Error: 0.958

R-squared: 0.0312, Adjusted R-Squared: -0.00199

F-statistic vs. constant model: 0.94, p-value = 0.457

## CL7: Rolandic\_Oper\_L



```
##7-theta_avg_power) mean_StanceDur
SumOfSquares      DF      MeanSquares      F      pValue
_____          _____          _____          _____
```

group_char	0.65695	2	0.32848	0.7021	0.49721
mean_StanceDur	0.16119	1	0.16119	0.34453	0.55813
group_char:mean_StanceDur	0.37116	2	0.18558	0.39667	0.67328
Error	68.306	146	0.46785		
Total	69.64	151			

Linear regression model:

```
theta_avg_power ~ 1 + group_char*mean_StanceDur
```

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	0.40761	0.21999	1.8529	0.065919
group_char_H2000's	0.35758	0.39083	0.91494	0.36173
group_char_H3000's	-0.203	0.43788	-0.46359	0.64363
mean_StanceDur	0.06719	0.16623	0.4042	0.68666
group_char_H2000's:mean_StanceDur	-0.16701	0.34809	-0.4798	0.63209
group_char_H3000's:mean_StanceDur	0.26876	0.41653	0.64522	0.51979

Number of observations: 152, Error degrees of freedom: 146

Root Mean Squared Error: 0.684

R-squared: 0.0192, Adjusted R-Squared: -0.0144

F-statistic vs. constant model: 0.57, p-value = 0.723

##7-alpha\_avg\_power) mean\_StanceDur

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	6.779	2	3.3895	0.87347	0.41967
mean_StanceDur	9.7196	1	9.7196	2.5047	0.11567
group_char:mean_StanceDur	3.9159	2	1.958	0.50456	0.60482
Error	566.56	146	3.8805		
Total	687.25	151			

Linear regression model:

```
alpha_avg_power ~ 1 + group_char*mean_StanceDur
```

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	1.0318	0.63357	1.6286	0.10555
group_char_H2000's	0.85179	1.1256	0.75676	0.45042
group_char_H3000's	1.5807	1.2611	1.2534	0.21206
mean_StanceDur	0.39839	0.47875	0.83215	0.40668
group_char_H2000's:mean_StanceDur	1.0051	1.0025	1.0026	0.31772
group_char_H3000's:mean_StanceDur	0.15511	1.1996	0.1293	0.8973

Number of observations: 152, Error degrees of freedom: 146

Root Mean Squared Error: 1.97

R-squared: 0.176, Adjusted R-Squared: 0.147

F-statistic vs. constant model: 6.22, p-value = 2.93e-05

##7-beta\_avg\_power) mean\_StanceDur

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	0.087833	2	0.043916	0.04716	0.95395
mean_StanceDur	1.6573	1	1.6573	1.7797	0.18427
group_char:mean_StanceDur	0.13169	2	0.065846	0.070709	0.93177
Error	135.96	146	0.93122		
Total	138.23	151			

Linear regression model:

```
beta_avg_power ~ 1 + group_char*mean_StanceDur
```

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	0.61752	0.31036	1.9897	0.048495
group_char_H2000's	-0.16761	0.55139	-0.30398	0.76158
group_char_H3000's	-0.079057	0.61778	-0.12797	0.89835
mean_StanceDur	0.23737	0.23452	1.0121	0.31315
group_char_H2000's:mean_StanceDur	0.18197	0.49109	0.37055	0.71151
group_char_H3000's:mean_StanceDur	0.0785	0.58766	0.13358	0.89392

Number of observations: 152, Error degrees of freedom: 146

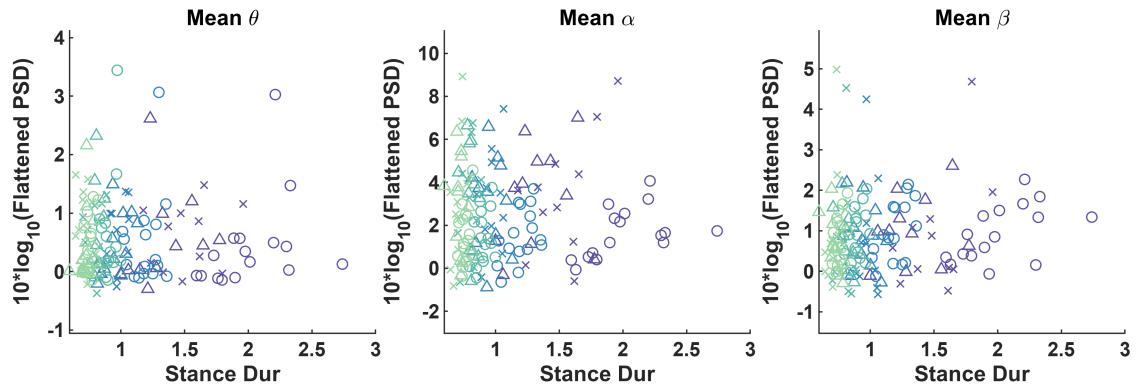
Root Mean Squared Error: 0.965

R-squared: 0.0165, Adjusted R-Squared: -0.0172

F-statistic vs. constant model: 0.488, p-value = 0.784

## CL7: Rolandic\_Oper\_L

○ YA    ✕ HO    △ FO  
 ○ 0.25    ○ 0.5    ○ 0.75    ○ 1



```

##7-theta_avg_power) mean_GaitCycleDur
      SumOfSquares      DF      MeanSquares          F      pValue
      _____      ____      _____      ____      _____

```

group_char	0.96303	2	0.48151	1.0339	0.35821
mean_GaitCycleDur	0.18601	1	0.18601	0.39938	0.5284
group_char:mean_GaitCycleDur	0.76083	2	0.38041	0.8168	0.44385
Error	67.997	146	0.46574		
Total	69.64	151			

Linear regression model:

```
theta_avg_power ~ 1 + group_char*mean_GaitCycleDur
```

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	0.46823	0.26214	1.7861	0.076151
group_char_H2000's	0.38558	0.47346	0.81439	0.41675
group_char_H3000's	-0.49073	0.53393	-0.91911	0.35956
mean_GaitCycleDur	0.011853	0.13788	0.085967	0.93161
group_char_H2000's:mean_GaitCycleDur	-0.13861	0.29068	-0.47687	0.63417
group_char_H3000's:mean_GaitCycleDur	0.37743	0.35074	1.0761	0.28366

Number of observations: 152, Error degrees of freedom: 146

Root Mean Squared Error: 0.682

R-squared: 0.0236, Adjusted R-Squared: -0.00986

F-statistic vs. constant model: 0.705, p-value = 0.62

```
##7-alpha_avg_power) mean_GaitCycleDur
```

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	4.814	2	2.407	0.62139	0.53861
mean_GaitCycleDur	8.7724	1	8.7724	2.2647	0.13451
group_char:mean_GaitCycleDur	6.0634	2	3.0317	0.78267	0.45909
Error	565.54	146	3.8736		
Total	687.25	151			

Linear regression model:

```
alpha_avg_power ~ 1 + group_char*mean_GaitCycleDur
```

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	1.0152	0.75601	1.3429	0.1814
group_char_H2000's	0.32202	1.3654	0.23584	0.81389
group_char_H3000's	1.7133	1.5398	1.1126	0.26769
mean_GaitCycleDur	0.27947	0.39765	0.70281	0.4833
group_char_H2000's:mean_GaitCycleDur	1.0324	0.83829	1.2316	0.22008
group_char_H3000's:mean_GaitCycleDur	0.013427	1.0115	0.013274	0.98943

Number of observations: 152, Error degrees of freedom: 146

Root Mean Squared Error: 1.97

R-squared: 0.177, Adjusted R-Squared: 0.149

F-statistic vs. constant model: 6.28, p-value = 2.6e-05

```
##7-beta_avg_power) mean_GaitCycleDur
```

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	0.50946	2	0.25473	0.27466	0.76022
mean_GaitCycleDur	1.9643	1	1.9643	2.118	0.14772
group_char:mean_GaitCycleDur	0.63727	2	0.31864	0.34357	0.70981
Error	135.4	146	0.92743		
Total	138.23	151			

Linear regression model:

```
beta_avg_power ~ 1 + group_char*mean_GaitCycleDur
```

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	0.60892	0.36992	1.6461	0.1019
group_char_H2000's	-0.49083	0.66812	-0.73465	0.46373
group_char_H3000's	-0.079363	0.75344	-0.10533	0.91626
mean_GaitCycleDur	0.16579	0.19457	0.85205	0.39558
group_char_H2000's:mean_GaitCycleDur	0.33953	0.41018	0.82774	0.40917
group_char_H3000's:mean_GaitCycleDur	0.054747	0.49494	0.11061	0.91208

Number of observations: 152, Error degrees of freedom: 146

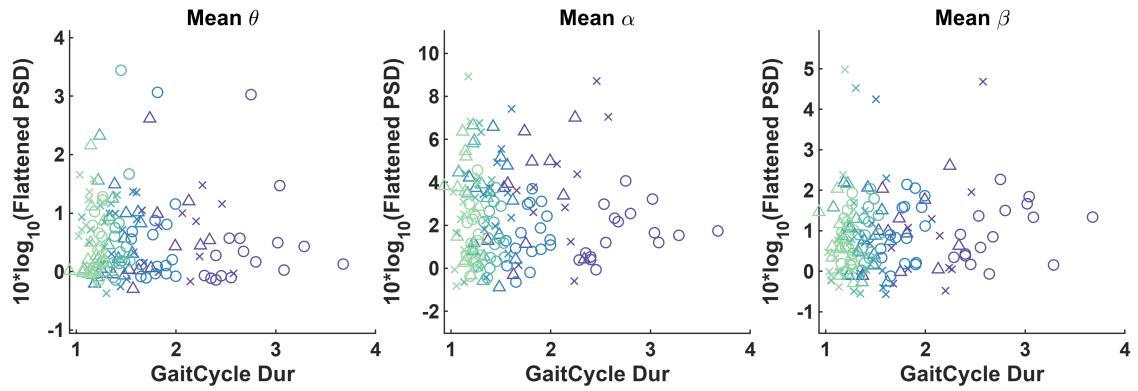
Root Mean Squared Error: 0.963

R-squared: 0.0205, Adjusted R-Squared: -0.0131

F-statistic vs. constant model: 0.61, p-value = 0.692

## CL7: Rolandic\_Oper\_L

○ YA    ✕ HO    △ FO  
 ○ 0.25    ○ 0.5    ○ 0.75    ○ 1



```

##7-theta_avg_power) mean_PeakUpDownVel_mean
SumOfSquares   DF      MeanSquares      F      pValue
-----  -----

```

group_char	0.55484	2	0.27742	0.59614	0.55227
mean_PeakUpDownVel_mean	0.04277	1	0.04277	0.091908	0.7622
group_char:mean_PeakUpDownVel_mean	0.81981	2	0.40991	0.88084	0.41663
Error	67.942	146	0.46536		
Total	69.64	151			

Linear regression model:

theta\_avg\_power ~ 1 + group\_char\*mean\_PeakUpDownVel\_mean

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	0.38058	0.20279	1.8767	0.062556
group_char_H2000's	0.11724	0.30791	0.38076	0.70393
group_char_H3000's	0.34229	0.31454	1.0882	0.27829
mean_PeakUpDownVel_mean	0.47161	0.79641	0.59216	0.55466
group_char_H2000's:mean_PeakUpDownVel_mean	0.16438	1.1208	0.14667	0.8836
group_char_H3000's:mean_PeakUpDownVel_mean	-1.1678	1.1043	-1.0576	0.292

Number of observations: 152, Error degrees of freedom: 146

Root Mean Squared Error: 0.682

R-squared: 0.0244, Adjusted R-Squared: -0.00904

F-statistic vs. constant model: 0.729, p-value = 0.602

##7-alpha\_avg\_power) mean\_PeakUpDownVel\_mean

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	46.815	2	23.407	6.1267	0.002786
mean_PeakUpDownVel_mean	7.3707	1	7.3707	1.9292	0.16696
group_char:mean_PeakUpDownVel_mean	14.2	2	7.1001	1.8584	0.15959
Error	557.8	146	3.8206		
Total	687.25	151			

Linear regression model:

alpha\_avg\_power ~ 1 + group\_char\*mean\_PeakUpDownVel\_mean

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	1.5343	0.58106	2.6405	0.0091796
group_char_H2000's	1.7637	0.88225	1.9991	0.04745
group_char_H3000's	3.1098	0.90126	3.4504	0.00073202
mean_PeakUpDownVel_mean	-0.072172	2.282	-0.031627	0.97481
group_char_H2000's:mean_PeakUpDownVel_mean	0.035958	3.2113	0.011197	0.99108
group_char_H3000's:mean_PeakUpDownVel_mean	-5.2197	3.164	-1.6497	0.10115

Number of observations: 152, Error degrees of freedom: 146

Root Mean Squared Error: 1.95

R-squared: 0.188, Adjusted R-Squared: 0.161

F-statistic vs. constant model: 6.78, p-value = 1.04e-05

##7-beta\_avg\_power) mean\_PeakUpDownVel\_mean

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	1.2994	2	0.64968	0.69833	0.49907
mean_PeakUpDownVel_mean	0.47741	1	0.47741	0.51317	0.47491
group_char:mean_PeakUpDownVel_mean	1.7525	2	0.87627	0.9419	0.39224
Error	135.83	146	0.93032		
Total	138.23	151			

Linear regression model:

beta\_avg\_power ~ 1 + group\_char\*mean\_PeakUpDownVel\_mean

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	0.96158	0.28673	3.3536	0.0010163
group_char_H2000's	-0.21743	0.43536	-0.49944	0.61822
group_char_H3000's	0.33696	0.44474	0.75766	0.44988
mean_PeakUpDownVel_mean	-0.23644	1.1261	-0.20997	0.83398
group_char_H2000's:mean_PeakUpDownVel_mean	0.71319	1.5847	0.45006	0.65334
group_char_H3000's:mean_PeakUpDownVel_mean	-1.3782	1.5613	-0.88275	0.37882

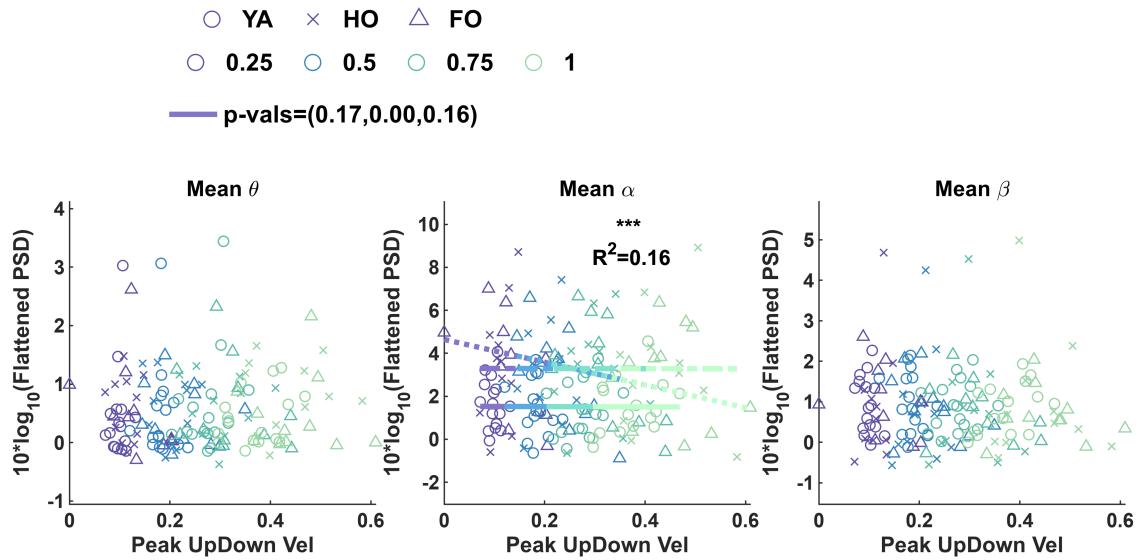
Number of observations: 152, Error degrees of freedom: 146

Root Mean Squared Error: 0.965

R-squared: 0.0174, Adjusted R-Squared: -0.0162

F-statistic vs. constant model: 0.517, p-value = 0.763

## CL7: Rolandic\_Oper\_L



```
###8-theta_avg_power) mean_APexc_COV
SumOfSquares   DF      MeanSquares      F      pValue
_____        _____        _____        _____
```

group_char	0.77037	2	0.38519	0.34166	0.71123
mean_APexc_COV	1.3073	1	1.3073	1.1596	0.28355
group_char:mean_APexc_COV	0.28097	2	0.14048	0.12461	0.88295
Error	146.56	130	1.1274		
Total	160.97	135			

Linear regression model:

theta\_avg\_power ~ 1 + group\_char\*mean\_APexc\_COV

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	1.1674	0.51124	2.2834	0.024032
group_char_H2000's	-0.67917	0.97555	-0.6962	0.48755
group_char_H3000's	0.14082	0.78183	0.18011	0.85734
mean_APexc_COV	-0.030732	0.031366	-0.97978	0.32901
group_char_H2000's:mean_APexc_COV	0.014864	0.050058	0.29693	0.767
group_char_H3000's:mean_APexc_COV	0.01881	0.037835	0.49716	0.61992

Number of observations: 136, Error degrees of freedom: 130

Root Mean Squared Error: 1.06

R-squared: 0.0895, Adjusted R-Squared: 0.0545

F-statistic vs. constant model: 2.56, p-value = 0.0305

##8-alpha\_avg\_power) mean\_APexc\_COV

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	24.014	2	12.007	2.0458	0.13342
mean_APexc_COV	33.246	1	33.246	5.6647	0.018763
group_char:mean_APexc_COV	1.9887	2	0.99433	0.16942	0.84434
Error	762.97	130	5.869		
Total	897.85	135			

Linear regression model:

alpha\_avg\_power ~ 1 + group\_char\*mean\_APexc\_COV

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	4.3996	1.1665	3.7717	0.00024518
group_char_H2000's	0.098219	2.2258	0.044127	0.96487
group_char_H3000's	3.416	1.7838	1.915	0.057694
mean_APexc_COV	-0.073377	0.071566	-1.0253	0.30712
group_char_H2000's:mean_APexc_COV	-0.025342	0.11421	-0.22188	0.82475
group_char_H3000's:mean_APexc_COV	-0.049646	0.086326	-0.57511	0.56621

Number of observations: 136, Error degrees of freedom: 130

Root Mean Squared Error: 2.42

R-squared: 0.15, Adjusted R-Squared: 0.118

F-statistic vs. constant model: 4.6, p-value = 0.00068

##8-beta\_avg\_power) mean\_APexc\_COV

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	0.35558	2	0.17779	0.14193	0.86782
mean_APexc_COV	2.0045	1	2.0045	1.6002	0.20814
group_char:mean_APexc_COV	1.7316	2	0.86578	0.69116	0.50282
Error	162.84	130	1.2526		
Total	169.67	135			

Linear regression model:

beta\_avg\_power ~ 1 + group\_char\*mean\_APexc\_COV

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	1.98	0.53889	3.6742	0.00034755
group_char_H2000's	0.029771	1.0283	0.028951	0.97695
group_char_H3000's	-0.4037	0.82411	-0.48987	0.62506
mean_APexc_COV	-0.035182	0.033062	-1.0641	0.28926
group_char_H2000's:mean_APexc_COV	-0.0049262	0.052765	-0.09336	0.92576
group_char_H3000's:mean_APexc_COV	0.038006	0.039881	0.95298	0.34237

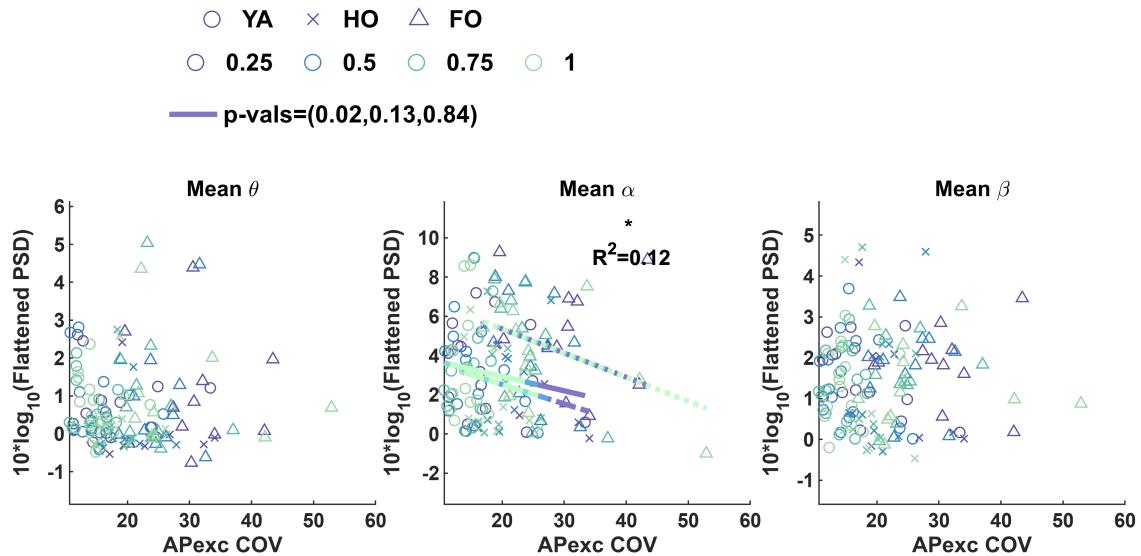
Number of observations: 136, Error degrees of freedom: 130

Root Mean Squared Error: 1.12

R-squared: 0.0402, Adjusted R-Squared: 0.00331

F-statistic vs. constant model: 1.09, p-value = 0.369

## CL8: Fusiform\_R



```
###8-theta_avg_power) mean_APexc_mean
SumOfSquares      DF      MeanSquares      F      pValue
-----      -----      -----      -----      -----

```

group_char	3.4859	2	1.7429	1.5375	0.21881
mean_APexc_mean	0.064619	1	0.064619	0.057001	0.81168
group_char:mean_APexc_mean	0.81471	2	0.40736	0.35933	0.69883
Error	147.37	130	1.1336		
Total	160.97	135			

Linear regression model:

theta\_avg\_power ~ 1 + group\_char\*mean\_APexc\_mean

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	0.47941	0.4943	0.96986	0.33392
group_char_H2000's	-0.58727	0.86133	-0.68182	0.49657
group_char_H3000's	0.74301	0.64532	1.1514	0.25169
mean_APexc_mean	3.7353	8.6354	0.43256	0.66605
group_char_H2000's:mean_APexc_mean	2.6527	18.423	0.14398	0.88574
group_char_H3000's:mean_APexc_mean	-9.0067	12.171	-0.74	0.46064

Number of observations: 136, Error degrees of freedom: 130

Root Mean Squared Error: 1.06

R-squared: 0.0845, Adjusted R-Squared: 0.0493

F-statistic vs. constant model: 2.4, p-value = 0.0406

##8-alpha\_avg\_power) mean\_APexc\_mean

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	14.371	2	7.1853	1.2146	0.30019
mean_APexc_mean	21.695	1	21.695	3.6671	0.057692
group_char:mean_APexc_mean	24.513	2	12.256	2.0717	0.13011
Error	769.08	130	5.916		
Total	897.85	135			

Linear regression model:

alpha\_avg\_power ~ 1 + group\_char\*mean\_APexc\_mean

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	3.5604	1.1292	3.1531	0.0020066
group_char_H2000's	-3.0529	1.9676	-1.5515	0.1232
group_char_H3000's	-1.2011	1.4742	-0.81477	0.41669
mean_APexc_mean	-5.6936	19.727	-0.28862	0.77333
group_char_H2000's:mean_APexc_mean	52.189	42.087	1.24	0.2172
group_char_H3000's:mean_APexc_mean	53.794	27.804	1.9347	0.055194

Number of observations: 136, Error degrees of freedom: 130

Root Mean Squared Error: 2.43

R-squared: 0.143, Adjusted R-Squared: 0.11

F-statistic vs. constant model: 4.35, p-value = 0.00107

##8-beta\_avg\_power) mean\_APexc\_mean

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	1.7413	2	0.87067	0.71328	0.49194
mean_APexc_mean	0.86665	1	0.86665	0.70999	0.401
group_char:mean_APexc_mean	4.2968	2	2.1484	1.76	0.17612
Error	158.69	130	1.2207		
Total	169.67	135			

Linear regression model:

beta\_avg\_power ~ 1 + group\_char\*mean\_APexc\_mean

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	1.4985	0.51292	2.9215	0.0041085
group_char_H2000's	-0.24283	0.89377	-0.27169	0.78629
group_char_H3000's	-0.77952	0.66963	-1.1641	0.24651
mean_APexc_mean	-1.2905	8.9607	-0.14401	0.88571
group_char_H2000's:mean_APexc_mean	-0.57725	19.117	-0.030195	0.97596
group_char_H3000's:mean_APexc_mean	22.217	12.63	1.7591	0.080909

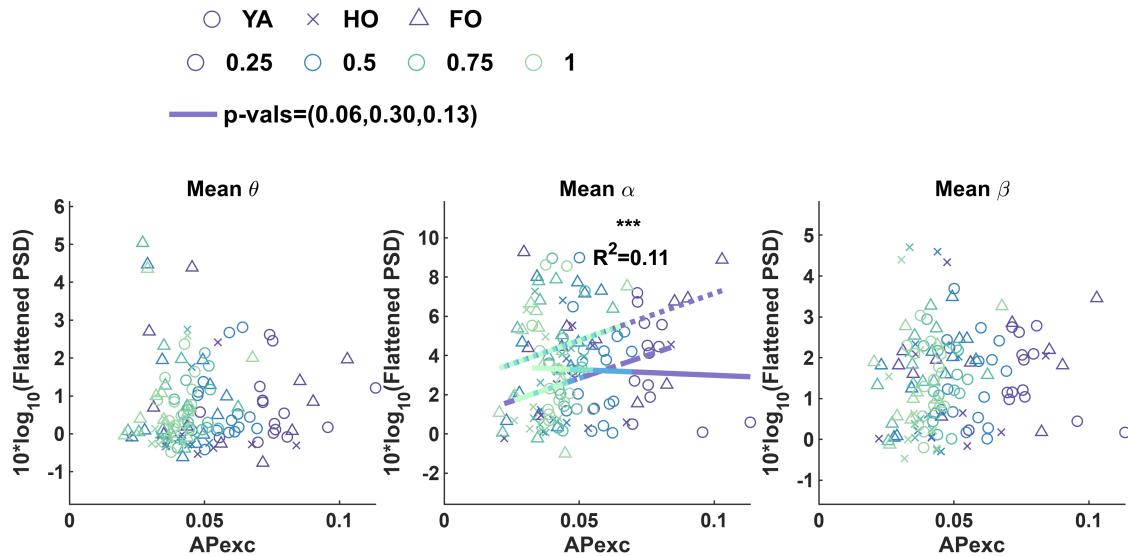
Number of observations: 136, Error degrees of freedom: 130

Root Mean Squared Error: 1.1

R-squared: 0.0647, Adjusted R-Squared: 0.0288

F-statistic vs. constant model: 1.8, p-value = 0.117

## CL8: Fusiform\_R



```
###8-theta_avg_power) mean_MLexc_COV
SumOfSquares      DF      MeanSquares      F      pValue
```

group_char	4.5806	2	2.2903	2.0544	0.13232
mean_MLexc_COV	1.4175	1	1.4175	1.2714	0.26157
group_char:mean_MLexc_COV	1.1537	2	0.57687	0.51745	0.59726
Error	144.93	130	1.1148		
Total	160.97	135			

Linear regression model:

theta\_avg\_power ~ 1 + group\_char\*mean\_MLexc\_COV

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	1.0544	0.42003	2.5103	0.013289
group_char_H2000's	-0.97989	0.73936	-1.3253	0.18739
group_char_H3000's	0.65303	0.67554	0.96669	0.33549
mean_MLexc_COV	-0.025665	0.027586	-0.93035	0.35391
group_char_H2000's:mean_MLexc_COV	0.031765	0.050117	0.63382	0.52731
group_char_H3000's:mean_MLexc_COV	-0.023217	0.043977	-0.52794	0.59844

Number of observations: 136, Error degrees of freedom: 130

Root Mean Squared Error: 1.06

R-squared: 0.0997, Adjusted R-Squared: 0.065

F-statistic vs. constant model: 2.88, p-value = 0.0169

##8-alpha\_avg\_power) mean\_MLexc\_COV

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	28.426	2	14.213	2.4444	0.090758
mean_MLexc_COV	36.735	1	36.735	6.3177	0.013175
group_char:mean_MLexc_COV	7.5655	2	3.7827	0.65057	0.52344
Error	755.89	130	5.8145		
Total	897.85	135			

Linear regression model:

alpha\_avg\_power ~ 1 + group\_char\*mean\_MLexc\_COV

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	5.328	0.95926	5.5543	1.5092e-07
group_char_H2000's	-2.3987	1.6885	-1.4206	0.15783
group_char_H3000's	1.6712	1.5428	1.0833	0.28069
mean_MLexc_COV	-0.14446	0.063	-2.2931	0.023449
group_char_H2000's:mean_MLexc_COV	0.10982	0.11446	0.95949	0.3391
group_char_H3000's:mean_MLexc_COV	-0.024872	0.10043	-0.24764	0.8048

Number of observations: 136, Error degrees of freedom: 130

Root Mean Squared Error: 2.41

R-squared: 0.158, Adjusted R-Squared: 0.126

F-statistic vs. constant model: 4.88, p-value = 0.000398

##8-beta\_avg\_power) mean\_MLexc\_COV

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	3.7282	2	1.8641	1.5308	0.22023
mean_MLexc_COV	3.0292	1	3.0292	2.4876	0.11717
group_char:mean_MLexc_COV	1.9834	2	0.99172	0.81441	0.44515
Error	158.3	130	1.2177		
Total	169.67	135			

Linear regression model:

beta\_avg\_power ~ 1 + group\_char\*mean\_MLexc\_COV

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	2.2141	0.43899	5.0438	1.5014e-06
group_char_H2000's	-1.1529	0.77272	-1.492	0.13811
group_char_H3000's	0.23163	0.70601	0.32808	0.74338
mean_MLexc_COV	-0.054615	0.028831	-1.8943	0.060402
group_char_H2000's:mean_MLexc_COV	0.063029	0.052378	1.2033	0.23103
group_char_H3000's:mean_MLexc_COV	0.00075616	0.045962	0.016452	0.9869

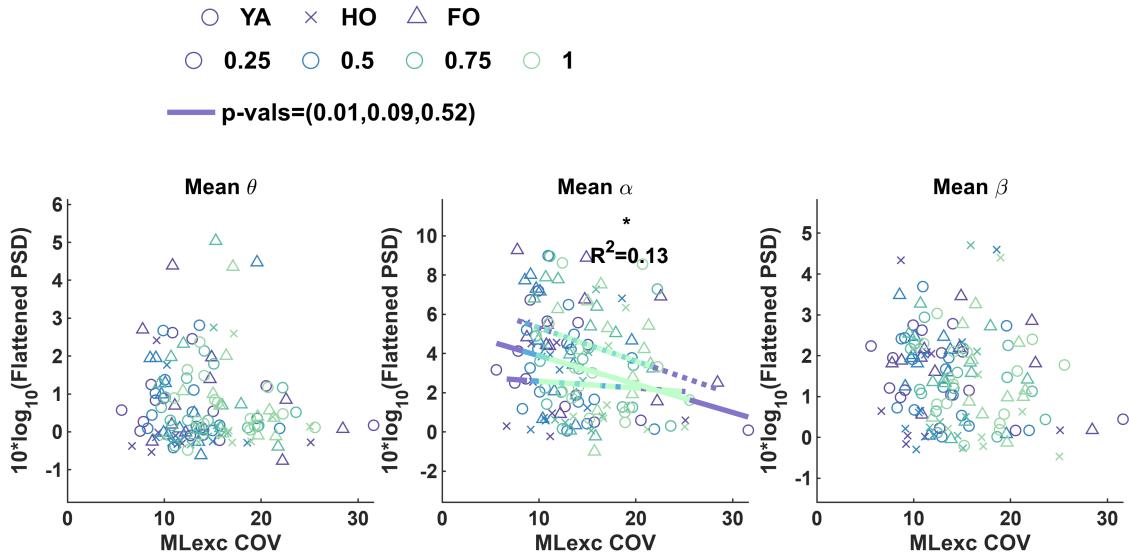
Number of observations: 136, Error degrees of freedom: 130

Root Mean Squared Error: 1.1

R-squared: 0.067, Adjusted R-Squared: 0.0311

F-statistic vs. constant model: 1.87, p-value = 0.104

## CL8: Fusiform\_R



```
###8-theta_avg_power) mean_MLexc_mean
SumOfSquares      DF      MeanSquares      F      pValue
_____      _____      _____      _____
```

group_char	0.36329	2	0.18164	0.17	0.84385
mean_MLexc_mean	2.7708	1	2.7708	2.5931	0.10975
group_char:mean_MLexc_mean	3.3729	2	1.6864	1.5783	0.21025
Error	138.91	130	1.0685		
Total	160.97	135			

Linear regression model:

theta\_avg\_power ~ 1 + group\_char\*mean\_MLexc\_mean

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	0.24032	0.40963	0.58667	0.55844
group_char_H2000's	0.090777	0.65872	0.13781	0.8906
group_char_H3000's	-0.25734	0.57561	-0.44708	0.65556
mean_MLexc_mean	5.6883	4.9565	1.1476	0.25322
group_char_H2000's:mean_MLexc_mean	-7.8714	7.8741	-0.99965	0.31934
group_char_H3000's:mean_MLexc_mean	5.0105	6.3535	0.78863	0.43177

Number of observations: 136, Error degrees of freedom: 130

Root Mean Squared Error: 1.03

R-squared: 0.137, Adjusted R-Squared: 0.104

F-statistic vs. constant model: 4.13, p-value = 0.00163

##8-alpha\_avg\_power) mean\_MLexc\_mean

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	9.1172	2	4.5586	0.81972	0.44282
mean_MLexc_mean	39.997	1	39.997	7.1923	0.0082721
group_char:mean_MLexc_mean	26.204	2	13.102	2.356	0.098839
Error	722.95	130	5.5611		
Total	897.85	135			

Linear regression model:

alpha\_avg\_power ~ 1 + group\_char\*mean\_MLexc\_mean

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	2.7779	0.93452	2.9725	0.0035207
group_char_H2000's	-1.3045	1.5028	-0.86806	0.38696
group_char_H3000's	-1.6128	1.3132	-1.2282	0.22159
mean_MLexc_mean	6.0088	11.307	0.5314	0.59605
group_char_H2000's:mean_MLexc_mean	6.3744	17.964	0.35485	0.72328
group_char_H3000's:mean_MLexc_mean	29.566	14.495	2.0398	0.043399

Number of observations: 136, Error degrees of freedom: 130

Root Mean Squared Error: 2.36

R-squared: 0.195, Adjusted R-Squared: 0.164

F-statistic vs. constant model: 6.29, p-value = 2.93e-05

##8-beta\_avg\_power) mean\_MLexc\_mean

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	0.90279	2	0.45139	0.36912	0.69207
mean_MLexc_mean	1.7029	1	1.7029	1.3925	0.24014
group_char:mean_MLexc_mean	2.6652	2	1.3326	1.0897	0.33937
Error	158.98	130	1.2229		
Total	169.67	135			

Linear regression model:

beta\_avg\_power ~ 1 + group\_char\*mean\_MLexc\_mean

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	1.2063	0.43823	2.7527	0.0067558
group_char_H2000's	0.065923	0.70471	0.093546	0.92561
group_char_H3000's	-0.44614	0.61579	-0.72451	0.47006
mean_MLexc_mean	2.8313	5.3025	0.53396	0.59428
group_char_H2000's:mean_MLexc_mean	-4.0309	8.4238	-0.47851	0.63309
group_char_H3000's:mean_MLexc_mean	6.6722	6.797	0.98163	0.32811

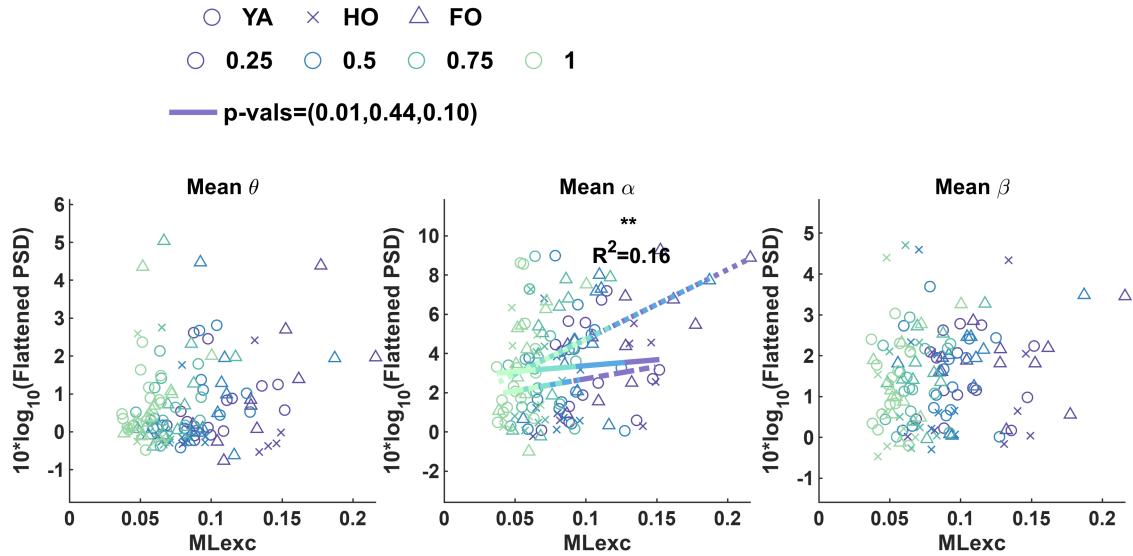
Number of observations: 136, Error degrees of freedom: 130

Root Mean Squared Error: 1.11

R-squared: 0.063, Adjusted R-Squared: 0.027

F-statistic vs. constant model: 1.75, p-value = 0.128

## CL8: Fusiform\_R



##8-theta_avg_power) mean_StepDur	SumOfSquares	DF	MeanSquares	F	pValue
	_____	___	_____	_____	_____

group_char	1.0607	2	0.53036	0.46597	0.62857
mean_StepDur	0.063987	1	0.063987	0.056218	0.81295
group_char:mean_StepDur	0.034854	2	0.017427	0.015311	0.98481
Error	147.97	130	1.1382		
Total	160.97	135			

Linear regression model:

theta\_avg\_power ~ 1 + group\_char\*mean\_StepDur

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	0.5245	0.40808	1.2853	0.20098
group_char_H2000's	-0.47112	0.83335	-0.56533	0.57282
group_char_H3000's	0.45946	0.75834	0.60588	0.54565
mean_StepDur	0.17227	0.41285	0.41727	0.67717
group_char_H2000's:mean_StepDur	-0.028832	1.0388	-0.027756	0.9779
group_char_H3000's:mean_StepDur	-0.16759	0.95775	-0.17498	0.86137

Number of observations: 136, Error degrees of freedom: 130

Root Mean Squared Error: 1.07

R-squared: 0.0808, Adjusted R-Squared: 0.0455

F-statistic vs. constant model: 2.29, p-value = 0.0498

##8-alpha\_avg\_power) mean\_StepDur

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	13.51	2	6.755	1.1458	0.32116
mean_StepDur	32.265	1	32.265	5.4727	0.020839
group_char:mean_StepDur	33.704	2	16.852	2.8585	0.060969
Error	766.42	130	5.8955		
Total	897.85	135			

Linear regression model:

alpha\_avg\_power ~ 1 + group\_char\*mean\_StepDur

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	3.0468	0.92875	3.2805	0.0013302
group_char_H2000's	-1.7482	1.8966	-0.92176	0.35836
group_char_H3000's	-2.4184	1.7259	-1.4013	0.16352
mean_StepDur	0.21557	0.9396	0.22943	0.8189
group_char_H2000's:mean_StepDur	1.3482	2.3642	0.57027	0.56948
group_char_H3000's:mean_StepDur	5.1995	2.1797	2.3854	0.018505

Number of observations: 136, Error degrees of freedom: 130

Root Mean Squared Error: 2.43

R-squared: 0.146, Adjusted R-Squared: 0.114

F-statistic vs. constant model: 4.46, p-value = 0.00088

##8-beta\_avg\_power) mean\_StepDur

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	1.5119	2	0.75596	0.6119	0.54387
mean_StepDur	3.3064	1	3.3064	2.6763	0.10427
group_char:mean_StepDur	3.0137	2	1.5068	1.2197	0.29868
Error	160.61	130	1.2354		
Total	169.67	135			

Linear regression model:

beta\_avg\_power ~ 1 + group\_char\*mean\_StepDur

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	1.2838	0.42516	3.0197	0.0030468
group_char_H2000's	-0.4269	0.86821	-0.4917	0.62376
group_char_H3000's	-0.85763	0.79006	-1.0855	0.2797
mean_StepDur	0.15447	0.43012	0.35914	0.72007
group_char_H2000's:mean_StepDur	0.28125	1.0823	0.25987	0.79537
group_char_H3000's:mean_StepDur	1.5584	0.99782	1.5618	0.12076

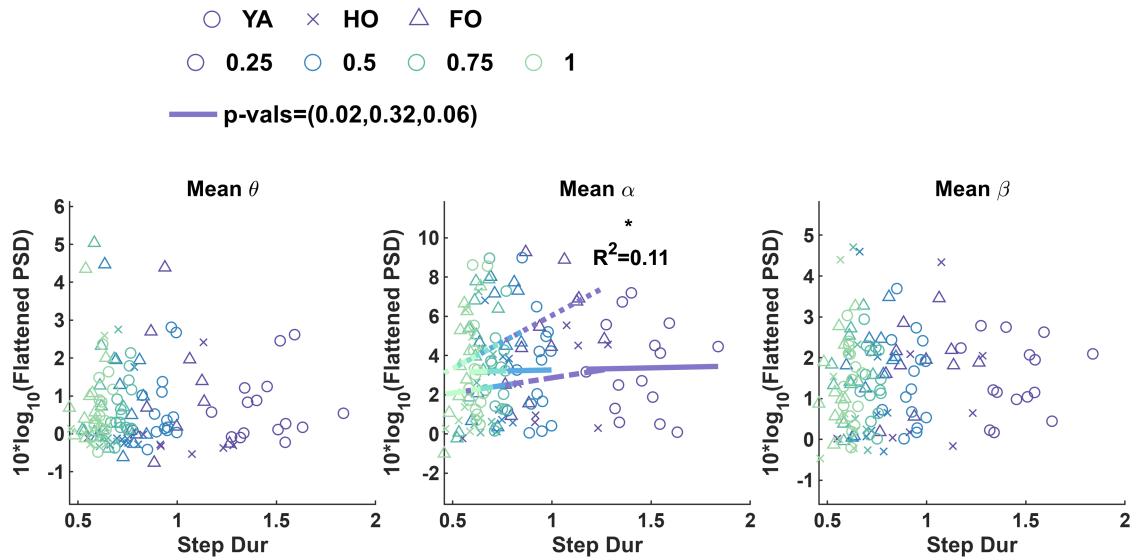
Number of observations: 136, Error degrees of freedom: 130

Root Mean Squared Error: 1.11

R-squared: 0.0534, Adjusted R-Squared: 0.017

F-statistic vs. constant model: 1.47, p-value = 0.205

## CL8: Fusiform\_R



```
###8-theta_avg_power) mean_UDexc_COV
SumOfSquares     DF     MeanSquares     F     pValue
```

group_char	3.0064	2	1.5032	1.3359	0.2665
mean_UDexc_COV	0.7146	1	0.7146	0.63509	0.42695
group_char:mean_UDexc_COV	1.5323	2	0.76617	0.68092	0.50795
Error	146.28	130	1.1252		
Total	160.97	135			

Linear regression model:

theta\_avg\_power ~ 1 + group\_char\*mean\_UDexc\_COV

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	0.53329	0.3513	1.5181	0.13143
group_char_H2000's	-0.02234	0.66029	-0.033834	0.97306
group_char_H3000's	0.90709	0.58935	1.5391	0.1262
mean_UDexc_COV	0.01278	0.02729	0.46831	0.64035
group_char_H2000's:mean_UDexc_COV	-0.039727	0.04869	-0.81593	0.41603
group_char_H3000's:mean_UDexc_COV	-0.044829	0.04168	-1.0755	0.28412

Number of observations: 136, Error degrees of freedom: 130

Root Mean Squared Error: 1.06

R-squared: 0.0913, Adjusted R-Squared: 0.0564

F-statistic vs. constant model: 2.61, p-value = 0.0276

##8-alpha\_avg\_power) mean\_UDexc\_COV

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	7.1183	2	3.5592	0.57577	0.5637
mean_UDexc_COV	7.4124	1	7.4124	1.1991	0.27552
group_char:mean_UDexc_COV	1.5139	2	0.75693	0.12245	0.88485
Error	803.6	130	6.1815		
Total	897.85	135			

Linear regression model:

alpha\_avg\_power ~ 1 + group\_char\*mean\_UDexc\_COV

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	4.1391	0.82339	5.0269	1.6165e-06
group_char_H2000's	-1.0874	1.5476	-0.7026	0.48356
group_char_H3000's	0.7548	1.3814	0.54642	0.58571
mean_UDexc_COV	-0.07522	0.063963	-1.176	0.24175
group_char_H2000's:mean_UDexc_COV	0.029131	0.11412	0.25526	0.79892
group_char_H3000's:mean_UDexc_COV	0.04768	0.097693	0.48806	0.62633

Number of observations: 136, Error degrees of freedom: 130

Root Mean Squared Error: 2.49

R-squared: 0.105, Adjusted R-Squared: 0.0706

F-statistic vs. constant model: 3.05, p-value = 0.0123

##8-beta\_avg\_power) mean\_UDexc\_COV

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	0.78778	2	0.39389	0.31325	0.73162
mean_UDexc_COV	0.052675	1	0.052675	0.041891	0.83815
group_char:mean_UDexc_COV	1.9552	2	0.9776	0.77746	0.4617
Error	163.47	130	1.2574		
Total	169.67	135			

Linear regression model:

beta\_avg\_power ~ 1 + group\_char\*mean\_UDexc\_COV

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	1.6008	0.37137	4.3106	3.1885e-05
group_char_H2000's	-0.28579	0.69801	-0.40943	0.68289
group_char_H3000's	-0.48114	0.62301	-0.77228	0.44135
mean_UDexc_COV	-0.014615	0.028849	-0.5066	0.61329
group_char_H2000's:mean_UDexc_COV	0.0040989	0.051472	0.079635	0.93665
group_char_H3000's:mean_UDexc_COV	0.052293	0.044061	1.1868	0.23746

Number of observations: 136, Error degrees of freedom: 130

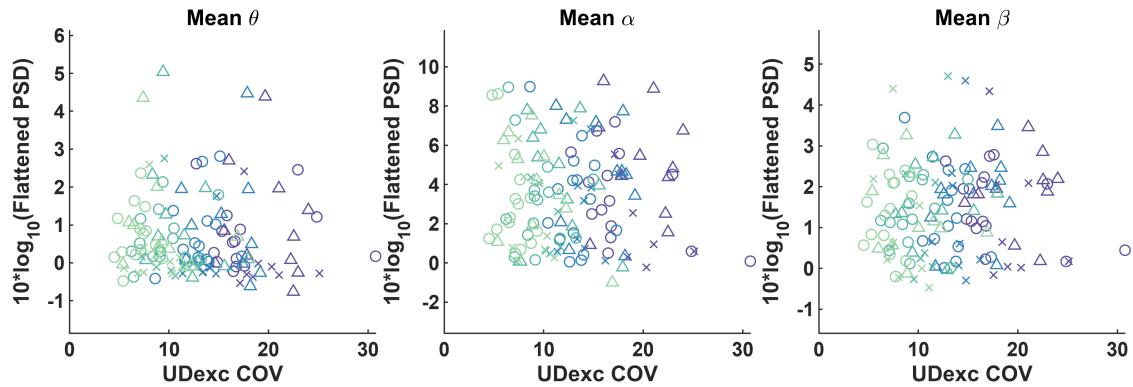
Root Mean Squared Error: 1.12

R-squared: 0.0366, Adjusted R-Squared: -0.000495

F-statistic vs. constant model: 0.987, p-value = 0.429

## CL8: Fusiform\_R

○ YA    ✕ HO    △ FO  
 ○ 0.25    ○ 0.5    ○ 0.75    ○ 1



```

###8-theta_avg_power) mean_UDexc_mean
      SumOfSquares      DF      MeanSquares      F      pValue
      _____      ____      _____      ____      _____

```

group_char	4.8406	2	2.4203	2.1383	0.12198
mean_UDexc_mean	0.0063343	1	0.0063343	0.0055962	0.94048
group_char:mean_UDexc_mean	1.0429	2	0.52146	0.4607	0.63187
Error	147.15	130	1.1319		
Total	160.97	135			

Linear regression model:

theta\_avg\_power ~ 1 + group\_char\*mean\_UDexc\_mean

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	0.6961	0.41827	1.6642	0.098475
group_char_H2000's	-0.89029	0.66459	-1.3396	0.18271
group_char_H3000's	0.58119	0.64857	0.89611	0.37185
mean_UDexc_mean	-0.4825	16.851	-0.028633	0.9772
group_char_H2000's:mean_UDexc_mean	15.22	26.209	0.58073	0.56242
group_char_H3000's:mean_UDexc_mean	-11.345	25.494	-0.44502	0.65704

Number of observations: 136, Error degrees of freedom: 130

Root Mean Squared Error: 1.06

R-squared: 0.0859, Adjusted R-Squared: 0.0507

F-statistic vs. constant model: 2.44, p-value = 0.0375

##8-alpha\_avg\_power) mean\_UDexc\_mean

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	27.173	2	13.587	2.1859	0.1165
mean_UDexc_mean	1.3805	1	1.3805	0.2221	0.63823
group_char:mean_UDexc_mean	5.0086	2	2.5043	0.4029	0.66921
Error	808.04	130	6.2157		
Total	897.85	135			

Linear regression model:

alpha\_avg\_power ~ 1 + group\_char\*mean\_UDexc\_mean

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	3.3618	0.98017	3.4298	0.00080991
group_char_H2000's	-1.2159	1.5574	-0.78073	0.43638
group_char_H3000's	2.2126	1.5198	1.4558	0.14786
mean_UDexc_mean	-4.8791	39.49	-0.12355	0.90186
group_char_H2000's:mean_UDexc_mean	17.559	61.417	0.2859	0.77541
group_char_H3000's:mean_UDexc_mean	-38.757	59.742	-0.64874	0.51765

Number of observations: 136, Error degrees of freedom: 130

Root Mean Squared Error: 2.49

R-squared: 0.1, Adjusted R-Squared: 0.0654

F-statistic vs. constant model: 2.89, p-value = 0.0165

##8-beta\_avg\_power) mean\_UDexc\_mean

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	1.7753	2	0.88767	0.7253	0.48613
mean_UDexc_mean	5.9568	1	5.9568	4.8672	0.029128
group_char:mean_UDexc_mean	0.60247	2	0.30123	0.24613	0.78218
Error	159.1	130	1.2239		
Total	169.67	135			

Linear regression model:

beta\_avg\_power ~ 1 + group\_char\*mean\_UDexc\_mean

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	1.8213	0.43493	4.1874	5.166e-05
group_char_H2000's	-0.106	0.69106	-0.15338	0.87833
group_char_H3000's	0.69431	0.67441	1.0295	0.30515
mean_UDexc_mean	-16.792	17.523	-0.95831	0.33969
group_char_H2000's:mean_UDexc_mean	-5.6422	27.253	-0.20703	0.83631
group_char_H3000's:mean_UDexc_mean	-18.419	26.51	-0.69481	0.48841

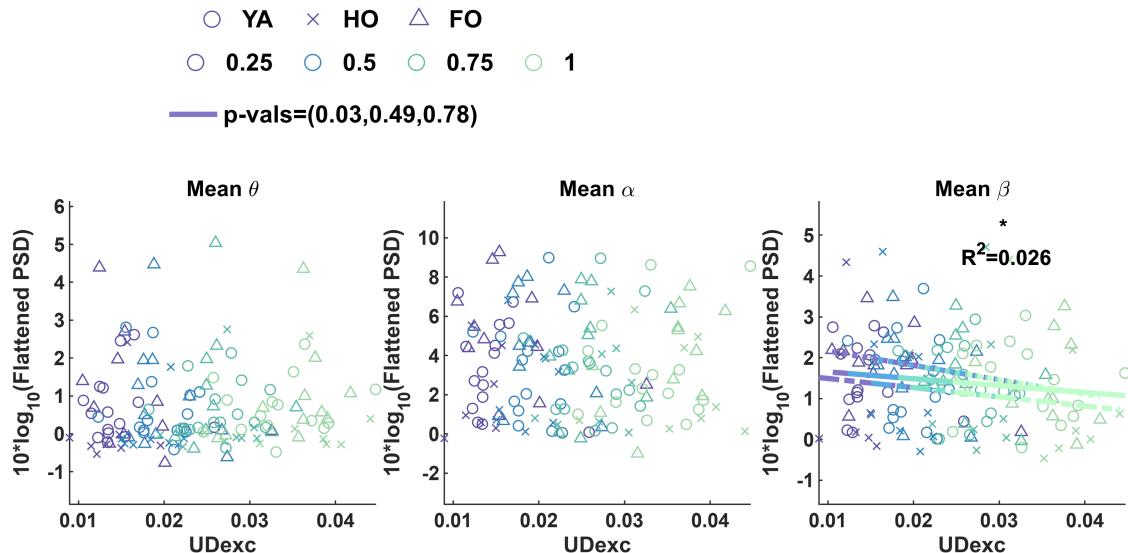
Number of observations: 136, Error degrees of freedom: 130

Root Mean Squared Error: 1.11

R-squared: 0.0623, Adjusted R-Squared: 0.0262

F-statistic vs. constant model: 1.73, p-value = 0.133

## CL8: Fusiform\_R



```
###8-theta_avg_power) mean_StanceDur
SumOfSquares      DF      MeanSquares      F      pValue
_____          _____          _____          _____          _____
```

group_char	1.155	2	0.57749	0.50742	0.60323
mean_StanceDur	0.053393	1	0.053393	0.046914	0.82886
group_char:mean_StanceDur	0.03322	2	0.01661	0.014595	0.98551
Error	147.95	130	1.1381		
Total	160.97	135			

Linear regression model:

```
theta_avg_power ~ 1 + group_char*mean_StanceDur
```

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	0.54349	0.34538	1.5736	0.11801
group_char_H2000's	-0.40476	0.68401	-0.59175	0.55505
group_char_H3000's	0.39994	0.64131	0.62363	0.53396
mean_StanceDur	0.11127	0.24942	0.44612	0.65625
group_char_H2000's:mean_StanceDur	-0.090716	0.62046	-0.14621	0.88398
group_char_H3000's:mean_StanceDur	-0.065921	0.58854	-0.11201	0.91099

Number of observations: 136, Error degrees of freedom: 130

Root Mean Squared Error: 1.07

R-squared: 0.0809, Adjusted R-Squared: 0.0455

F-statistic vs. constant model: 2.29, p-value = 0.0496

```
###8-alpha_avg_power) mean_StanceDur
```

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	6.0464	2	3.0232	0.50428	0.60512
mean_StanceDur	20.948	1	20.948	3.4943	0.063832
group_char:mean_StanceDur	24.923	2	12.461	2.0786	0.12924
Error	779.36	130	5.9951		
Total	897.85	135			

Linear regression model:

```
alpha_avg_power ~ 1 + group_char*mean_StanceDur
```

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	3.036	0.79269	3.83	0.00019845
group_char_H2000's	-1.0109	1.5699	-0.64395	0.52074
group_char_H3000's	-1.3493	1.4719	-0.91671	0.36099
mean_StanceDur	0.16646	0.57245	0.29079	0.77168
group_char_H2000's:mean_StanceDur	0.26476	1.424	0.18592	0.8528
group_char_H3000's:mean_StanceDur	2.7454	1.3508	2.0324	0.044147

Number of observations: 136, Error degrees of freedom: 130

Root Mean Squared Error: 2.45

R-squared: 0.132, Adjusted R-Squared: 0.0986

F-statistic vs. constant model: 3.95, p-value = 0.00227

```
###8-beta_avg_power) mean_StanceDur
```

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	0.63229	2	0.31614	0.25353	0.77644
mean_StanceDur	1.9138	1	1.9138	1.5348	0.21762
group_char:mean_StanceDur	2.022	2	1.011	0.81079	0.44674
Error	162.1	130	1.247		
Total	169.67	135			

Linear regression model:

```
beta_avg_power ~ 1 + group_char*mean_StanceDur
```

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	1.278	0.36152	3.535	0.00056556
group_char_H2000's	-0.16211	0.71597	-0.22642	0.82123
group_char_H3000's	-0.47746	0.67128	-0.71126	0.4782
mean_StanceDur	0.1178	0.26107	0.45122	0.65259
group_char_H2000's:mean_StanceDur	-0.055032	0.64946	-0.084735	0.9326
group_char_H3000's:mean_StanceDur	0.76241	0.61604	1.2376	0.2181

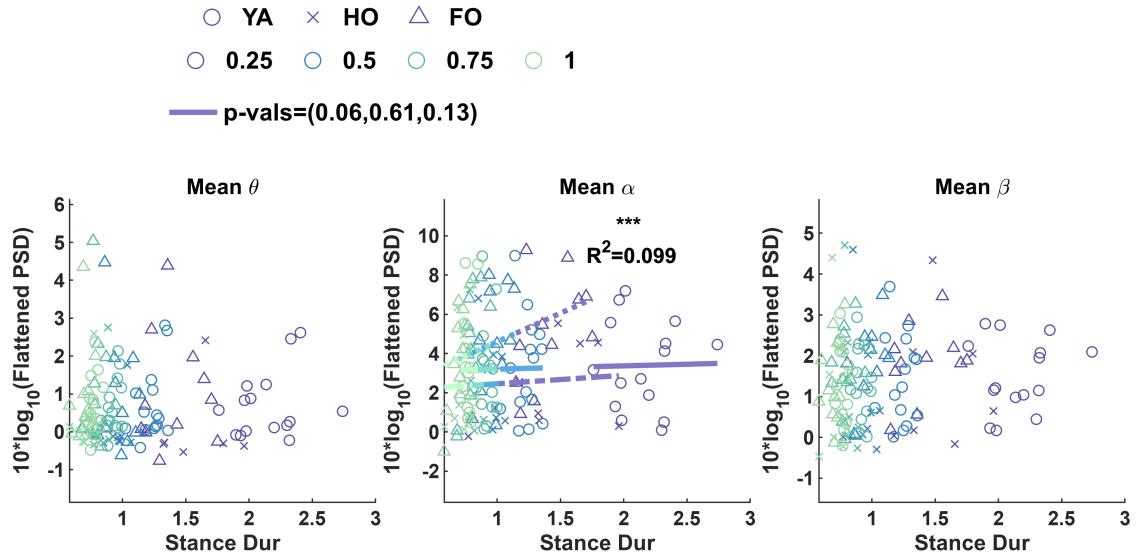
Number of observations: 136, Error degrees of freedom: 130

Root Mean Squared Error: 1.12

R-squared: 0.0446, Adjusted R-Squared: 0.00784

F-statistic vs. constant model: 1.21, p-value = 0.306

## CL8: Fusiform\_R



```
###8-theta_avg_power) mean_GaitCycleDur
SumOfSquares      DF      MeanSquares      F      pValue
_____           _____           _____           _____
```

group_char	1.0625	2	0.53125	0.46677	0.62807
mean_GaitCycleDur	0.064044	1	0.064044	0.056271	0.81286
group_char:mean_GaitCycleDur	0.036547	2	0.018274	0.016056	0.98407
Error	147.96	130	1.1381		
Total	160.97	135			

Linear regression model:

theta\_avg\_power ~ 1 + group\_char\*mean\_GaitCycleDur

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	0.52185	0.40766	1.2801	0.20279
group_char_H2000's	-0.4672	0.8322	-0.5614	0.57549
group_char_H3000's	0.46297	0.75809	0.61071	0.54246
mean_GaitCycleDur	0.087493	0.20603	0.42466	0.67178
group_char_H2000's:mean_GaitCycleDur	-0.016673	0.51833	-0.032166	0.97439
group_char_H3000's:mean_GaitCycleDur	-0.085753	0.47856	-0.17919	0.85807

Number of observations: 136, Error degrees of freedom: 130

Root Mean Squared Error: 1.07

R-squared: 0.0808, Adjusted R-Squared: 0.0455

F-statistic vs. constant model: 2.29, p-value = 0.0497

##8-alpha\_avg\_power) mean\_GaitCycleDur

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	13.505	2	6.7523	1.145	0.3214
mean_GaitCycleDur	32.186	1	32.186	5.458	0.021008
group_char:mean_GaitCycleDur	33.639	2	16.82	2.8523	0.061333
Error	766.61	130	5.897		
Total	897.85	135			

Linear regression model:

alpha\_avg\_power ~ 1 + group\_char\*mean\_GaitCycleDur

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	3.0508	0.92793	3.2877	0.0012992
group_char_H2000's	-1.7523	1.8943	-0.92502	0.35667
group_char_H3000's	-2.4142	1.7256	-1.399	0.16418
mean_GaitCycleDur	0.10557	0.46897	0.22512	0.82224
group_char_H2000's:mean_GaitCycleDur	0.67599	1.1798	0.57295	0.56767
group_char_H3000's:mean_GaitCycleDur	2.5953	1.0893	2.3825	0.018643

Number of observations: 136, Error degrees of freedom: 130

Root Mean Squared Error: 2.43

R-squared: 0.146, Adjusted R-Squared: 0.113

F-statistic vs. constant model: 4.45, p-value = 0.000892

##8-beta\_avg\_power) mean\_GaitCycleDur

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	1.5155	2	0.75775	0.61333	0.5431
mean_GaitCycleDur	3.312	1	3.312	2.6808	0.10398
group_char:mean_GaitCycleDur	3.0153	2	1.5077	1.2203	0.2985
Error	160.61	130	1.2355		
Total	169.67	135			

Linear regression model:

beta\_avg\_power ~ 1 + group\_char\*mean\_GaitCycleDur

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	1.2849	0.42473	3.0252	0.002995
group_char_H2000's	-0.42961	0.86706	-0.49548	0.6211
group_char_H3000's	-0.85782	0.78984	-1.0861	0.27946
mean_GaitCycleDur	0.076596	0.21466	0.35683	0.7218
group_char_H2000's:mean_GaitCycleDur	0.14226	0.54004	0.26342	0.79264
group_char_H3000's:mean_GaitCycleDur	0.77894	0.4986	1.5622	0.12066

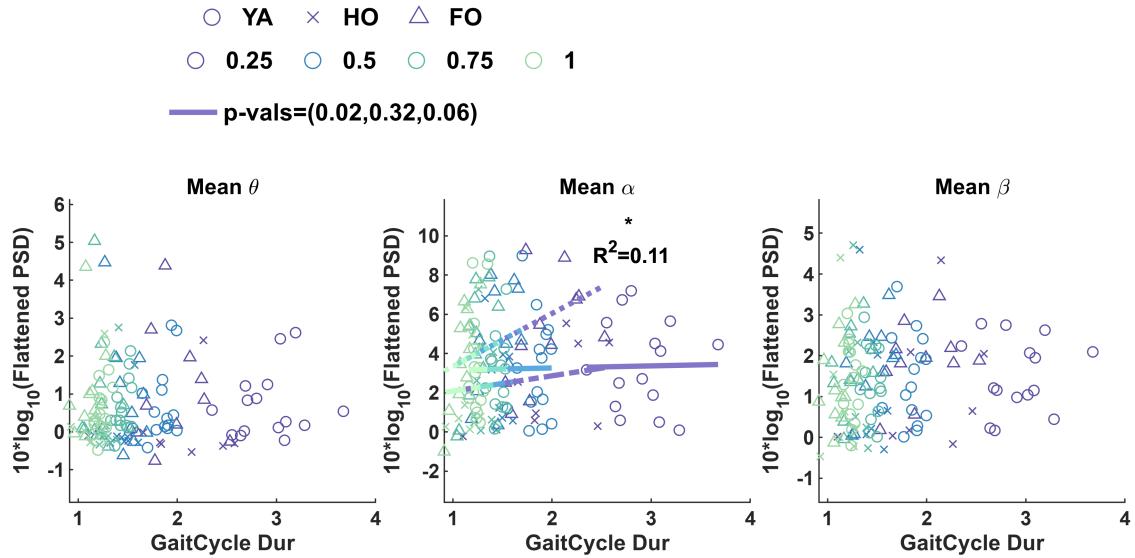
Number of observations: 136, Error degrees of freedom: 130

Root Mean Squared Error: 1.11

R-squared: 0.0534, Adjusted R-Squared: 0.017

F-statistic vs. constant model: 1.47, p-value = 0.205

## CL8: Fusiform\_R



```
###8-theta_avg_power) mean_PeakUpDownVel_mean
SumOfSquares   DF      MeanSquares      F      pValue
-----  -----  -----  -----  -----

```

group_char	1.879	2	0.93952	0.82591	0.44012
mean_PeakUpDownVel_mean	0.046907	1	0.046907	0.041235	0.8394
group_char:mean_PeakUpDownVel_mean	0.28389	2	0.14195	0.12478	0.8828
Error	147.88	130	1.1376		
Total	160.97	135			

Linear regression model:

theta\_avg\_power ~ 1 + group\_char\*mean\_PeakUpDownVel\_mean

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	0.75515	0.3274	2.3065	0.022666
group_char_H2000's	-0.63225	0.55837	-1.1323	0.25959
group_char_H3000's	0.070064	0.51022	0.13732	0.89099
mean_PeakUpDownVel_mean	-0.29835	1.2595	-0.23687	0.81313
group_char_H2000's:mean_PeakUpDownVel_mean	0.44066	2.0538	0.21455	0.83045
group_char_H3000's:mean_PeakUpDownVel_mean	0.96761	1.938	0.49927	0.61843

Number of observations: 136, Error degrees of freedom: 130

Root Mean Squared Error: 1.07

R-squared: 0.0813, Adjusted R-Squared: 0.046

F-statistic vs. constant model: 2.3, p-value = 0.0484

##8-alpha\_avg\_power) mean\_PeakUpDownVel\_mean

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	20.826	2	10.413	1.6726	0.19177
mean_PeakUpDownVel_mean	4.0148	1	4.0148	0.64488	0.42341
group_char:mean_PeakUpDownVel_mean	0.78832	2	0.39416	0.063312	0.93868
Error	809.33	130	6.2256		
Total	897.85	135			

Linear regression model:

alpha\_avg\_power ~ 1 + group\_char\*mean\_PeakUpDownVel\_mean

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	3.5902	0.76593	4.6873	6.8912e-06
group_char_H2000's	-0.94933	1.3063	-0.72675	0.46868
group_char_H3000's	1.5298	1.1936	1.2816	0.20226
mean_PeakUpDownVel_mean	-1.4534	2.9466	-0.49327	0.62265
group_char_H2000's:mean_PeakUpDownVel_mean	0.69938	4.8048	0.14556	0.88449
group_char_H3000's:mean_PeakUpDownVel_mean	-1.0872	4.5338	-0.23979	0.81087

Number of observations: 136, Error degrees of freedom: 130

Root Mean Squared Error: 2.5

R-squared: 0.0986, Adjusted R-Squared: 0.0639

F-statistic vs. constant model: 2.84, p-value = 0.018

##8-beta\_avg\_power) mean\_PeakUpDownVel\_mean

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	3.2845	2	1.6422	1.3355	0.26661
mean_PeakUpDownVel_mean	4.2036	1	4.2036	3.4185	0.066741
group_char:mean_PeakUpDownVel_mean	1.2515	2	0.62575	0.50888	0.60236
Error	159.86	130	1.2297		
Total	169.67	135			

Linear regression model:

beta\_avg\_power ~ 1 + group\_char\*mean\_PeakUpDownVel\_mean

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	1.7082	0.3404	5.0181	1.6795e-06
group_char_H2000's	-0.32908	0.58054	-0.56685	0.5718
group_char_H3000's	0.64026	0.53047	1.207	0.22964
mean_PeakUpDownVel_mean	-1.1898	1.3095	-0.90857	0.36526
group_char_H2000's:mean_PeakUpDownVel_mean	0.39506	2.1354	0.18501	0.85351
group_char_H3000's:mean_PeakUpDownVel_mean	-1.6842	2.015	-0.83583	0.40479

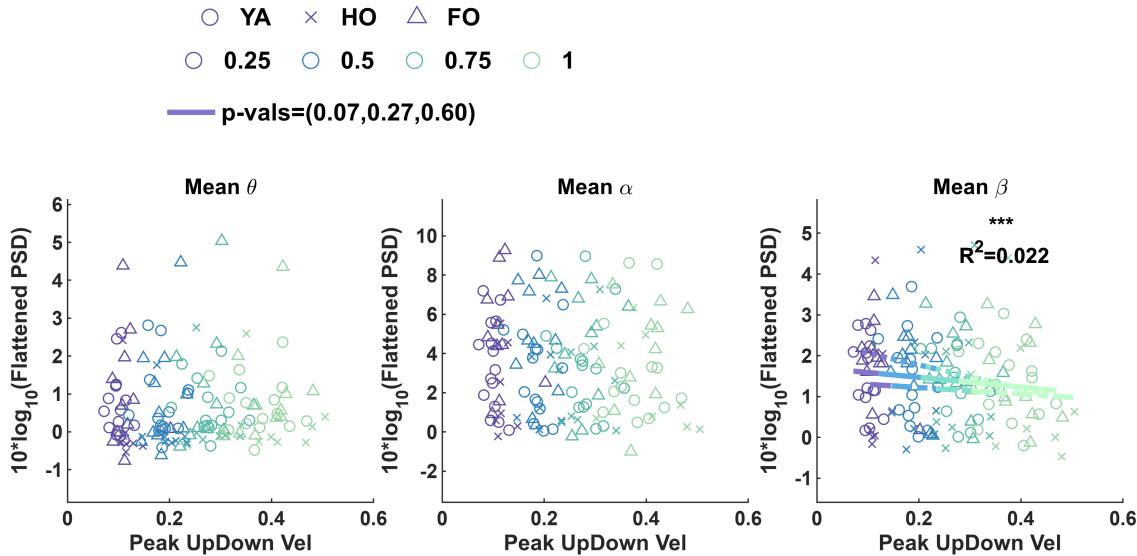
Number of observations: 136, Error degrees of freedom: 130

Root Mean Squared Error: 1.11

R-squared: 0.0578, Adjusted R-Squared: 0.0216

F-statistic vs. constant model: 1.6, p-value = 0.166

## CL8: Fusiform\_R



```
###9-theta_avg_power) mean_APexc_COV
SumOfSquares   DF      MeanSquares      F      pValue
_____        _____        _____        _____
```

group_char	1.6223	2	0.81114	1.3488	0.26152
mean_APexc_COV	0.50162	1	0.50162	0.83414	0.362
group_char:mean_APexc_COV	0.56304	2	0.28152	0.46814	0.62674
Error	143.12	238	0.60136		
Total	155.17	243			

Linear regression model:

theta\_avg\_power ~ 1 + group\_char\*mean\_APexc\_COV

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	0.57204	0.32152	1.7791	0.076493
group_char_H2000's	-0.09835	0.52138	-0.18863	0.85054
group_char_H3000's	-0.69156	0.44728	-1.5461	0.1234
mean_APexc_COV	0.012422	0.019814	0.62695	0.53129
group_char_H2000's:mean_APexc_COV	-0.015696	0.02671	-0.58765	0.55733
group_char_H3000's:mean_APexc_COV	0.0052965	0.023337	0.22696	0.82065

Number of observations: 244, Error degrees of freedom: 238

Root Mean Squared Error: 0.775

R-squared: 0.0776, Adjusted R-Squared: 0.0583

F-statistic vs. constant model: 4.01, p-value = 0.00165

##9-alpha\_avg\_power) mean\_APexc\_COV

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	11.556	2	5.7778	1.161	0.31496
mean_APexc_COV	1.5529	1	1.5529	0.31203	0.57696
group_char:mean_APexc_COV	8.7845	2	4.3923	0.88256	0.41507
Error	1184.5	238	4.9767		
Total	1202.9	243			

Linear regression model:

alpha\_avg\_power ~ 1 + group\_char\*mean\_APexc\_COV

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	2.5525	0.92495	2.7596	0.0062366
group_char_H2000's	-2.2777	1.4999	-1.5185	0.1302
group_char_H3000's	-1.0117	1.2867	-0.78628	0.43249
mean_APexc_COV	-0.038789	0.057	-0.6805	0.49685
group_char_H2000's:mean_APexc_COV	0.10171	0.076838	1.3236	0.18689
group_char_H3000's:mean_APexc_COV	0.061934	0.067134	0.92254	0.35718

Number of observations: 244, Error degrees of freedom: 238

Root Mean Squared Error: 2.23

R-squared: 0.0153, Adjusted R-Squared: -0.00534

F-statistic vs. constant model: 0.742, p-value = 0.593

##9-beta\_avg\_power) mean\_APexc\_COV

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	6.6208	2	3.3104	0.87474	0.41831
mean_APexc_COV	0.42733	1	0.42733	0.11292	0.73714
group_char:mean_APexc_COV	9.1474	2	4.5737	1.2086	0.30045
Error	900.69	238	3.7844		
Total	980.6	243			

Linear regression model:

beta\_avg\_power ~ 1 + group\_char\*mean\_APexc\_COV

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	2.8708	0.80658	3.5592	0.00044896
group_char_H2000's	-1.5659	1.3079	-1.1972	0.2324
group_char_H3000's	-0.030017	1.1221	-0.026752	0.97868
mean_APexc_COV	-0.048771	0.049705	-0.9812	0.32749
group_char_H2000's:mean_APexc_COV	0.10268	0.067004	1.5324	0.12675
group_char_H3000's:mean_APexc_COV	0.068434	0.058543	1.169	0.24359

Number of observations: 244, Error degrees of freedom: 238

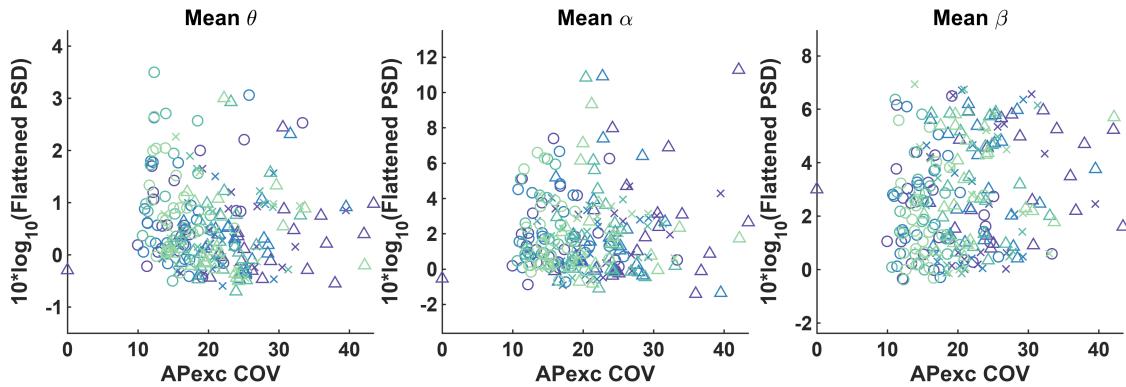
Root Mean Squared Error: 1.95

R-squared: 0.0815, Adjusted R-Squared: 0.0622

F-statistic vs. constant model: 4.22, p-value = 0.00107

## CL9: Postcentral\_R

○ YA    ✕ HO    △ FO  
 ○ 0.25    ○ 0.5    ○ 0.75    ○ 1



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###9-theta_avg_power) mean_APexc_mean
      SumOfSquares      DF      MeanSquares      F      pValue
      _____      _____      _____      _____      _____

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group_char	1.3228	2	0.66142	1.0958	0.33597
mean_APexc_mean	0.57702	1	0.57702	0.95593	0.32921
group_char:mean_APexc_mean	0.60708	2	0.30354	0.50286	0.60544
Error	143.66	238	0.60362		
Total	155.17	243			

Linear regression model:

theta\_avg\_power ~ 1 + group\_char\*mean\_APexc\_mean

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	0.80279	0.28532	2.8136	0.0053078
group_char_H2000's	-0.013311	0.43409	-0.030664	0.97556
group_char_H3000's	-0.4635	0.36169	-1.2815	0.20128
mean_APexc_mean	-0.65285	5.0582	-0.12907	0.89741
group_char_H2000's:mean_APexc_mean	-7.4848	8.2534	-0.90687	0.36539
group_char_H3000's:mean_APexc_mean	-0.039153	7.1784	-0.0054543	0.99565

Number of observations: 244, Error degrees of freedom: 238

Root Mean Squared Error: 0.777

R-squared: 0.0742, Adjusted R-Squared: 0.0547

F-statistic vs. constant model: 3.81, p-value = 0.00243

##9-alpha\_avg\_power) mean\_APexc\_mean

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	2.0192	2	1.0096	0.20236	0.81694
mean_APexc_mean	4.5518	1	4.5518	0.91233	0.34047
group_char:mean_APexc_mean	4.027	2	2.0135	0.40357	0.66839
Error	1187.4	238	4.9892		
Total	1202.9	243			

Linear regression model:

alpha\_avg\_power ~ 1 + group\_char\*mean\_APexc\_mean

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	1.9485	0.82029	2.3754	0.018325
group_char_H2000's	-0.67304	1.248	-0.5393	0.59019
group_char_H3000's	-0.59082	1.0399	-0.56817	0.57045
mean_APexc_mean	-0.11091	14.542	-0.0076269	0.99392
group_char_H2000's:mean_APexc_mean	8.4391	23.728	0.35565	0.72242
group_char_H3000's:mean_APexc_mean	18.527	20.638	0.89771	0.37025

Number of observations: 244, Error degrees of freedom: 238

Root Mean Squared Error: 2.23

R-squared: 0.0129, Adjusted R-Squared: -0.00786

F-statistic vs. constant model: 0.621, p-value = 0.684

##9-beta\_avg\_power) mean\_APexc\_mean

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	32.26	2	16.13	4.3062	0.014551
mean_APexc_mean	5.2663	1	5.2663	1.4059	0.23692
group_char:mean_APexc_mean	17.97	2	8.985	2.3987	0.093028
Error	891.49	238	3.7458		
Total	980.6	243			

Linear regression model:

beta\_avg\_power ~ 1 + group\_char\*mean\_APexc\_mean

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	2.1593	0.71075	3.038	0.0026472
group_char_H2000's	-1.3923	1.0813	-1.2876	0.19915
group_char_H3000's	1.4302	0.90101	1.5874	0.11375
mean_APexc_mean	-1.0253	12.6	-0.08137	0.93522
group_char_H2000's:mean_APexc_mean	37.381	20.56	1.8182	0.070296
group_char_H3000's:mean_APexc_mean	-5.6585	17.882	-0.31644	0.75195

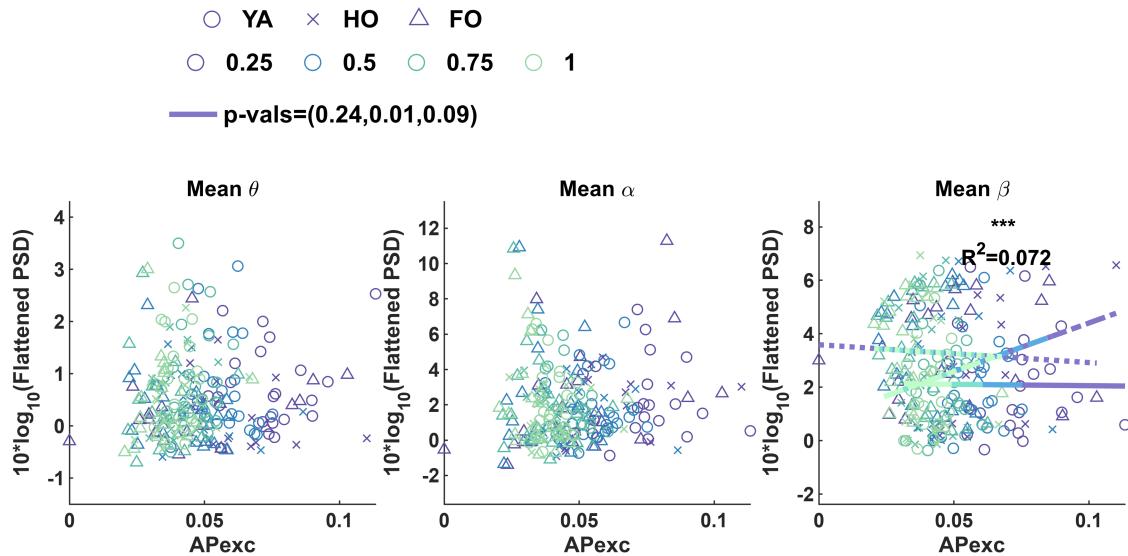
Number of observations: 244, Error degrees of freedom: 238

Root Mean Squared Error: 1.94

R-squared: 0.0909, Adjusted R-Squared: 0.0718

F-statistic vs. constant model: 4.76, p-value = 0.000366

## CL9: Postcentral\_R



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###9-theta_avg_power) mean_MLexc_COV
SumOfSquares   DF    MeanSquares      F      pValue
_____        _____        _____        _____
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group_char	1.6586	2	0.82929	1.3747	0.25492
mean_MLexc_COV	1.0124	1	1.0124	1.6782	0.19642
group_char:mean_MLexc_COV	0.076015	2	0.038008	0.063003	0.93896
Error	143.58	238	0.60326		
Total	155.17	243			

Linear regression model:

theta\_avg\_power ~ 1 + group\_char\*mean\_MLexc\_COV

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	0.6376	0.22005	2.8975	0.004112
group_char_H2000's	-0.46913	0.34053	-1.3776	0.16961
group_char_H3000's	-0.47875	0.33791	-1.4168	0.15785
mean_MLexc_COV	0.0089542	0.01416	0.63236	0.52776
group_char_H2000's:mean_MLexc_COV	0.0077838	0.022327	0.34862	0.72768
group_char_H3000's:mean_MLexc_COV	0.0017741	0.02219	0.079948	0.93635

Number of observations: 244, Error degrees of freedom: 238

Root Mean Squared Error: 0.777

R-squared: 0.0747, Adjusted R-Squared: 0.0553

F-statistic vs. constant model: 3.84, p-value = 0.00228

##9-alpha\_avg\_power) mean\_MLexc\_COV

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	9.4432	2	4.7216	0.95631	0.38578
mean_MLexc_COV	3.9306	1	3.9306	0.79609	0.37317
group_char:mean_MLexc_COV	15.717	2	7.8584	1.5916	0.20575
Error	1175.1	238	4.9373		
Total	1202.9	243			

Linear regression model:

alpha\_avg\_power ~ 1 + group\_char\*mean\_MLexc\_COV

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	2.7437	0.62953	4.3583	1.9504e-05
group_char_H2000's	-0.2104	0.9742	-0.21597	0.8292
group_char_H3000's	-1.2858	0.96671	-1.3301	0.18477
mean_MLexc_COV	-0.055269	0.040509	-1.3644	0.17374
group_char_H2000's:mean_MLexc_COV	-0.0066697	0.063875	-0.10442	0.91693
group_char_H3000's:mean_MLexc_COV	0.10071	0.063482	1.5865	0.11396

Number of observations: 244, Error degrees of freedom: 238

Root Mean Squared Error: 2.22

R-squared: 0.0231, Adjusted R-Squared: 0.00263

F-statistic vs. constant model: 1.13, p-value = 0.346

##9-beta\_avg\_power) mean\_MLexc\_COV

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	4.3969	2	2.1984	0.58033	0.56051
mean_MLexc_COV	5.1969	1	5.1969	1.3718	0.24267
group_char:mean_MLexc_COV	4.3568	2	2.1784	0.57504	0.56346
Error	901.61	238	3.7883		
Total	980.6	243			

Linear regression model:

beta\_avg\_power ~ 1 + group\_char\*mean\_MLexc\_COV

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	2.5162	0.55143	4.5631	8.0785e-06
group_char_H2000's	0.81499	0.85334	0.95506	0.34052
group_char_H3000's	0.72325	0.84678	0.85412	0.3939
mean_MLexc_COV	-0.028455	0.035483	-0.80193	0.42339
group_char_H2000's:mean_MLexc_COV	-0.031191	0.055951	-0.55748	0.57773
group_char_H3000's:mean_MLexc_COV	0.03404	0.055607	0.61215	0.54102

Number of observations: 244, Error degrees of freedom: 238

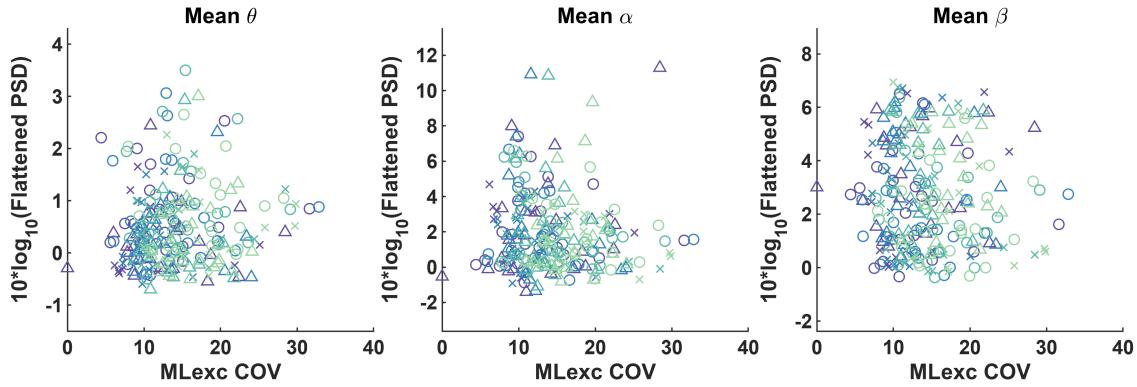
Root Mean Squared Error: 1.95

R-squared: 0.0806, Adjusted R-Squared: 0.0612

F-statistic vs. constant model: 4.17, p-value = 0.00119

## CL9: Postcentral\_R

○ YA    × HO    △ FO  
 ○ 0.25    ○ 0.5    ○ 0.75    ○ 1



##9-theta_avg_power) mean_MLexc_mean	SumOfSquares	DF	MeanSquares	F	pValue
	_____	_____	_____	_____	_____

group_char	3.3311	2	1.6655	2.7963	0.063042
mean_MLexc_mean	0.019804	1	0.019804	0.03325	0.85547
group_char:mean_MLexc_mean	2.8036	2	1.4018	2.3535	0.097244
Error	141.76	238	0.59562		
Total	155.17	243			

Linear regression model:

theta\_avg\_power ~ 1 + group\_char\*mean\_MLexc\_mean

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	0.60479	0.23385	2.5863	0.010298
group_char_H2000's	0.19266	0.35429	0.54378	0.5871
group_char_H3000's	-0.53623	0.31053	-1.7268	0.085503
mean_MLexc_mean	2.0126	2.725	0.73857	0.46089
group_char_H2000's:mean_MLexc_mean	-6.1471	3.7481	-1.64	0.10232
group_char_H3000's:mean_MLexc_mean	0.90619	3.5334	0.25646	0.79782

Number of observations: 244, Error degrees of freedom: 238

Root Mean Squared Error: 0.772

R-squared: 0.0864, Adjusted R-Squared: 0.0673

F-statistic vs. constant model: 4.5, p-value = 0.00061

##9-alpha\_avg\_power) mean\_MLexc\_mean

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	0.93956	2	0.46978	0.094262	0.91008
mean_MLexc_mean	9.6373	1	9.6373	1.9337	0.16565
group_char:mean_MLexc_mean	0.062802	2	0.031401	0.0063007	0.99372
Error	1186.1	238	4.9838		
Total	1202.9	243			

Linear regression model:

alpha\_avg\_power ~ 1 + group\_char\*mean\_MLexc\_mean

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	1.4839	0.67644	2.1937	0.029221
group_char_H2000's	-0.33173	1.0248	-0.32369	0.74646
group_char_H3000's	0.081045	0.89826	0.090224	0.92818
mean_MLexc_mean	5.675	7.8826	0.71995	0.47226
group_char_H2000's:mean_MLexc_mean	-0.2438	10.842	-0.022487	0.98208
group_char_H3000's:mean_MLexc_mean	0.80191	10.221	0.078457	0.93753

Number of observations: 244, Error degrees of freedom: 238

Root Mean Squared Error: 2.23

R-squared: 0.014, Adjusted R-Squared: -0.00675

F-statistic vs. constant model: 0.674, p-value = 0.644

##9-beta\_avg\_power) mean\_MLexc\_mean

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	51.874	2	25.937	6.9378	0.001179
mean_MLexc_mean	1.3021	1	1.3021	0.3483	0.55564
group_char:mean_MLexc_mean	21.326	2	10.663	2.8522	0.059693
Error	889.77	238	3.7385		
Total	980.6	243			

Linear regression model:

beta\_avg\_power ~ 1 + group\_char\*mean\_MLexc\_mean

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	1.5516	0.58586	2.6484	0.0086287
group_char_H2000's	0.083521	0.88762	0.094095	0.92511
group_char_H3000's	2.5503	0.77799	3.278	0.0012016
mean_MLexc_mean	6.8331	6.8271	1.0009	0.3179
group_char_H2000's:mean_MLexc_mean	2.2144	9.3903	0.23582	0.81378
group_char_H3000's:mean_MLexc_mean	-16.251	8.8524	-1.8357	0.067646

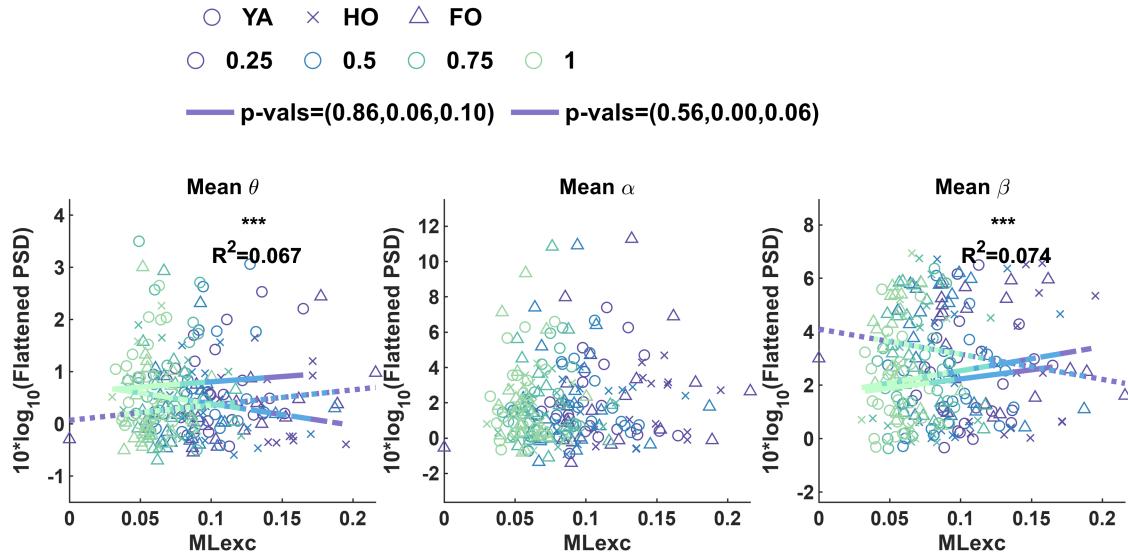
Number of observations: 244, Error degrees of freedom: 238

Root Mean Squared Error: 1.93

R-squared: 0.0926, Adjusted R-Squared: 0.0736

F-statistic vs. constant model: 4.86, p-value = 0.000298

## CL9: Postcentral\_R



##9-theta_avg_power) mean_StepDur	SumOfSquares	DF	MeanSquares	F	pValue
	_____	___	_____	_____	_____

group_char	0.2368	2	0.1184	0.19726	0.82111
mean_StepDur	1.7638	1	1.7638	2.9387	0.08778
group_char:mean_StepDur	0.62878	2	0.31439	0.5238	0.59295
Error	142.85	238	0.6002		
Total	155.17	243			

Linear regression model:

theta\_avg\_power ~ 1 + group\_char\*mean\_StepDur

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	0.8804	0.23675	3.7186	0.00024986
group_char_H2000's	-0.010868	0.45142	-0.024076	0.98081
group_char_H3000's	-0.24157	0.39988	-0.6041	0.54635
mean_StepDur	-0.12399	0.2449	-0.5063	0.61312
group_char_H2000's:mean_StepDur	-0.48343	0.53981	-0.89555	0.3714
group_char_H3000's:mean_StepDur	-0.34599	0.50963	-0.67889	0.49787

Number of observations: 244, Error degrees of freedom: 238

Root Mean Squared Error: 0.775

R-squared: 0.0794, Adjusted R-Squared: 0.0601

F-statistic vs. constant model: 4.11, p-value = 0.00135

##9-alpha\_avg\_power) mean\_StepDur

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	0.93772	2	0.46886	0.093404	0.91086
mean_StepDur	1.5944	1	1.5944	0.31763	0.57357
group_char:mean_StepDur	0.318	2	0.159	0.031675	0.96883
Error	1194.7	238	5.0197		
Total	1202.9	243			

Linear regression model:

alpha\_avg\_power ~ 1 + group\_char\*mean\_StepDur

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	1.7722	0.68468	2.5884	0.010236
group_char_H2000's	-0.51866	1.3055	-0.39729	0.69151
group_char_H3000's	0.044422	1.1564	0.038413	0.96939
mean_StepDur	0.18684	0.70824	0.2638	0.79216
group_char_H2000's:mean_StepDur	0.35698	1.5611	0.22867	0.81932
group_char_H3000's:mean_StepDur	0.22475	1.4738	0.1525	0.87892

Number of observations: 244, Error degrees of freedom: 238

Root Mean Squared Error: 2.24

R-squared: 0.00685, Adjusted R-Squared: -0.014

F-statistic vs. constant model: 0.329, p-value = 0.895

##9-beta\_avg\_power) mean\_StepDur

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	6.2768	2	3.1384	0.82444	0.43973
mean_StepDur	4.8279	1	4.8279	1.2683	0.26123
group_char:mean_StepDur	1.3924	2	0.69622	0.18289	0.83298
Error	906	238	3.8067		
Total	980.6	243			

Linear regression model:

beta\_avg\_power ~ 1 + group\_char\*mean\_StepDur

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	1.8016	0.59624	3.0217	0.0027886
group_char_H2000's	-0.18883	1.1369	-0.1661	0.86822
group_char_H3000's	1.167	1.0071	1.1588	0.24771
mean_StepDur	0.33149	0.61676	0.53747	0.59144
group_char_H2000's:mean_StepDur	0.82221	1.3595	0.6048	0.54589
group_char_H3000's:mean_StepDur	0.17094	1.2835	0.13319	0.89416

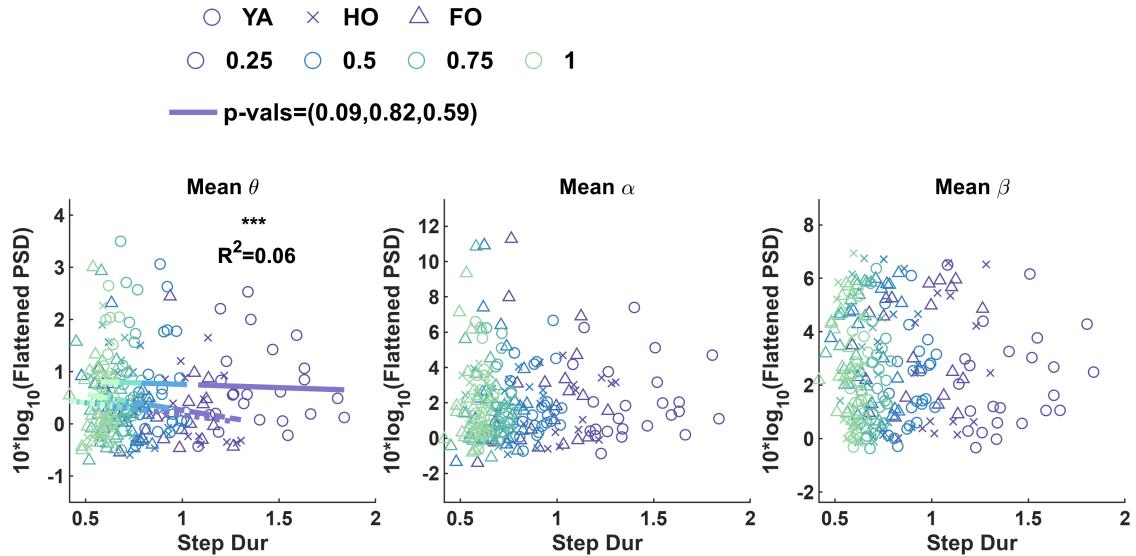
Number of observations: 244, Error degrees of freedom: 238

Root Mean Squared Error: 1.95

R-squared: 0.0761, Adjusted R-Squared: 0.0567

F-statistic vs. constant model: 3.92, p-value = 0.00196

## CL9: Postcentral\_R



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###9-theta_avg_power) mean_UDexc_COV
SumOfSquares   DF    MeanSquares      F      pValue
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group_char	3.1196	2	1.5598	2.5813	0.077794
mean_UDexc_COV	0.15689	1	0.15689	0.25963	0.61084
group_char:mean_UDexc_COV	0.59542	2	0.29771	0.49267	0.61162
Error	143.82	238	0.60428		
Total	155.17	243			

Linear regression model:

theta\_avg\_power ~ 1 + group\_char\*mean\_UDexc\_COV

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	0.93988	0.19965	4.7076	4.2574e-06
group_char_H2000's	-0.63979	0.31088	-2.058	0.040682
group_char_H3000's	-0.52774	0.30253	-1.7444	0.082374
mean_UDexc_COV	-0.013762	0.014619	-0.94137	0.34747
group_char_H2000's:mean_UDexc_COV	0.02127	0.021741	0.97834	0.3289
group_char_H3000's:mean_UDexc_COV	0.0064719	0.021157	0.3059	0.75995

Number of observations: 244, Error degrees of freedom: 238

Root Mean Squared Error: 0.777

R-squared: 0.0732, Adjusted R-Squared: 0.0537

F-statistic vs. constant model: 3.76, p-value = 0.00271

##9-alpha\_avg\_power) mean\_UDexc\_COV

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	0.2812	2	0.1406	0.028156	0.97224
mean_UDexc_COV	5.3992	1	5.3992	1.0812	0.29948
group_char:mean_UDexc_COV	2.8318	2	1.4159	0.28355	0.75336
Error	1188.5	238	4.9935		
Total	1202.9	243			

Linear regression model:

alpha\_avg\_power ~ 1 + group\_char\*mean\_UDexc\_COV

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	2.2007	0.57393	3.8344	0.00016122
group_char_H2000's	0.18438	0.89368	0.20632	0.83672
group_char_H3000's	-0.016298	0.86966	-0.018741	0.98506
mean_UDexc_COV	-0.020603	0.042025	-0.49027	0.6244
group_char_H2000's:mean_UDexc_COV	-0.032405	0.062497	-0.5185	0.60459
group_char_H3000's:mean_UDexc_COV	0.01476	0.060819	0.24268	0.80846

Number of observations: 244, Error degrees of freedom: 238

Root Mean Squared Error: 2.23

R-squared: 0.012, Adjusted R-Squared: -0.00873

F-statistic vs. constant model: 0.579, p-value = 0.716

##9-beta\_avg\_power) mean\_UDexc\_COV

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	3.1174	2	1.5587	0.41101	0.66345
mean_UDexc_COV	0.15175	1	0.15175	0.040014	0.84162
group_char:mean_UDexc_COV	8.5981	2	4.2991	1.1336	0.32361
Error	902.61	238	3.7925		
Total	980.6	243			

Linear regression model:

beta\_avg\_power ~ 1 + group\_char\*mean\_UDexc\_COV

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	2.3212	0.50017	4.6407	5.737e-06
group_char_H2000's	0.68947	0.77882	0.88527	0.3769
group_char_H3000's	0.41871	0.75789	0.55247	0.58114
mean_UDexc_COV	-0.01735	0.036624	-0.47374	0.63612
group_char_H2000's:mean_UDexc_COV	-0.020456	0.054465	-0.37558	0.70756
group_char_H3000's:mean_UDexc_COV	0.059186	0.053003	1.1167	0.26527

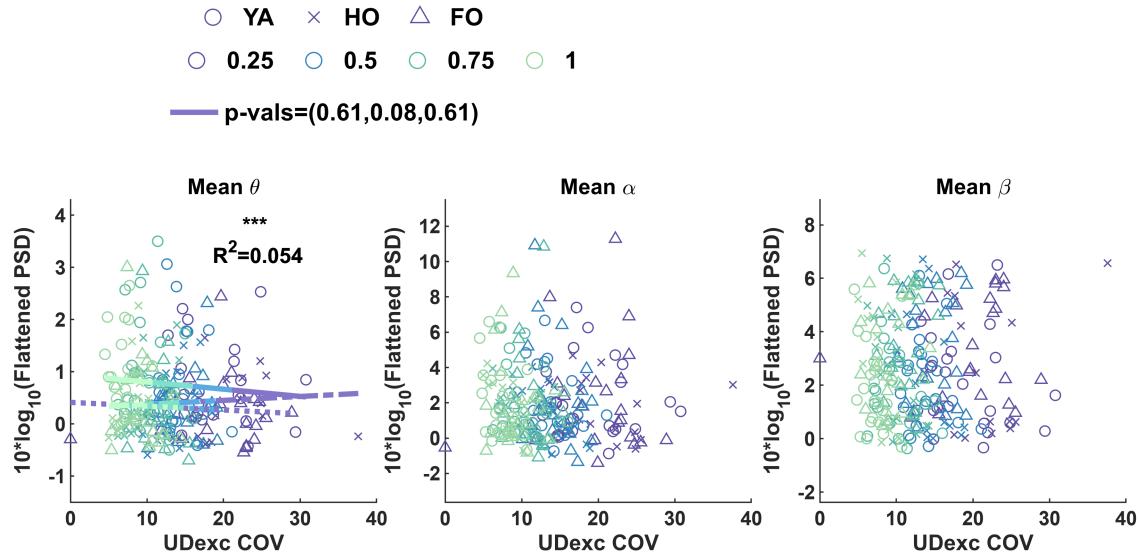
Number of observations: 244, Error degrees of freedom: 238

Root Mean Squared Error: 1.95

R-squared: 0.0795, Adjusted R-Squared: 0.0602

F-statistic vs. constant model: 4.11, p-value = 0.00133

## CL9: Postcentral\_R



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###9-theta_avg_power) mean_UDexc_mean
SumOfSquares      DF      MeanSquares      F      pValue
_____           _____           _____           _____
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group_char	1.7958	2	0.89789	1.4841	0.2288
mean_UDexc_mean	0.41579	1	0.41579	0.68724	0.40794
group_char:mean_UDexc_mean	0.13464	2	0.067322	0.11127	0.89474
Error	143.99	238	0.60502		
Total	155.17	243			

Linear regression model:

theta\_avg\_power ~ 1 + group\_char\*mean\_UDexc\_mean

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	0.67471	0.23084	2.9228	0.0038034
group_char_H2000's	-0.31816	0.36503	-0.87159	0.38431
group_char_H3000's	-0.55089	0.32028	-1.72	0.086729
mean_UDexc_mean	3.8801	9.0726	0.42767	0.66928
group_char_H2000's:mean_UDexc_mean	-2.1423	13.763	-0.15565	0.87644
group_char_H3000's:mean_UDexc_mean	3.9643	12.514	0.31679	0.75168

Number of observations: 244, Error degrees of freedom: 238

Root Mean Squared Error: 0.778

R-squared: 0.072, Adjusted R-Squared: 0.0525

F-statistic vs. constant model: 3.69, p-value = 0.00307

##9-alpha\_avg\_power) mean\_UDexc\_mean

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	6.7163	2	3.3581	0.67238	0.51146
mean_UDexc_mean	2.0678	1	2.0678	0.41401	0.52056
group_char:mean_UDexc_mean	5.8344	2	2.9172	0.58409	0.55841
Error	1188.7	238	4.9944		
Total	1202.9	243			

Linear regression model:

alpha\_avg\_power ~ 1 + group\_char\*mean\_UDexc\_mean

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	2.2622	0.66325	3.4108	0.00076075
group_char_H2000's	-1.2028	1.0488	-1.1468	0.25261
group_char_H3000's	-0.62183	0.92021	-0.67574	0.49986
mean_UDexc_mean	-13.384	26.067	-0.51345	0.60812
group_char_H2000's:mean_UDexc_mean	37.408	39.543	0.94601	0.34511
group_char_H3000's:mean_UDexc_mean	32.765	35.955	0.91128	0.36307

Number of observations: 244, Error degrees of freedom: 238

Root Mean Squared Error: 2.23

R-squared: 0.0119, Adjusted R-Squared: -0.00891

F-statistic vs. constant model: 0.571, p-value = 0.722

##9-beta\_avg\_power) mean\_UDexc\_mean

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	30.468	2	15.234	4.0507	0.018624
mean_UDexc_mean	1.0945	1	1.0945	0.29103	0.59006
group_char:mean_UDexc_mean	13.583	2	6.7916	1.8059	0.16657
Error	895.08	238	3.7608		
Total	980.6	243			

Linear regression model:

beta\_avg\_power ~ 1 + group\_char\*mean\_UDexc\_mean

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	2.4856	0.57554	4.3187	2.3054e-05
group_char_H2000's	-0.71514	0.9101	-0.78579	0.43277
group_char_H3000's	1.6584	0.79852	2.0768	0.038892
mean_UDexc_mean	-15.983	22.62	-0.70659	0.48051
group_char_H2000's:mean_UDexc_mean	44.657	34.314	1.3014	0.19437
group_char_H3000's:mean_UDexc_mean	-18.55	31.2	-0.59455	0.55271

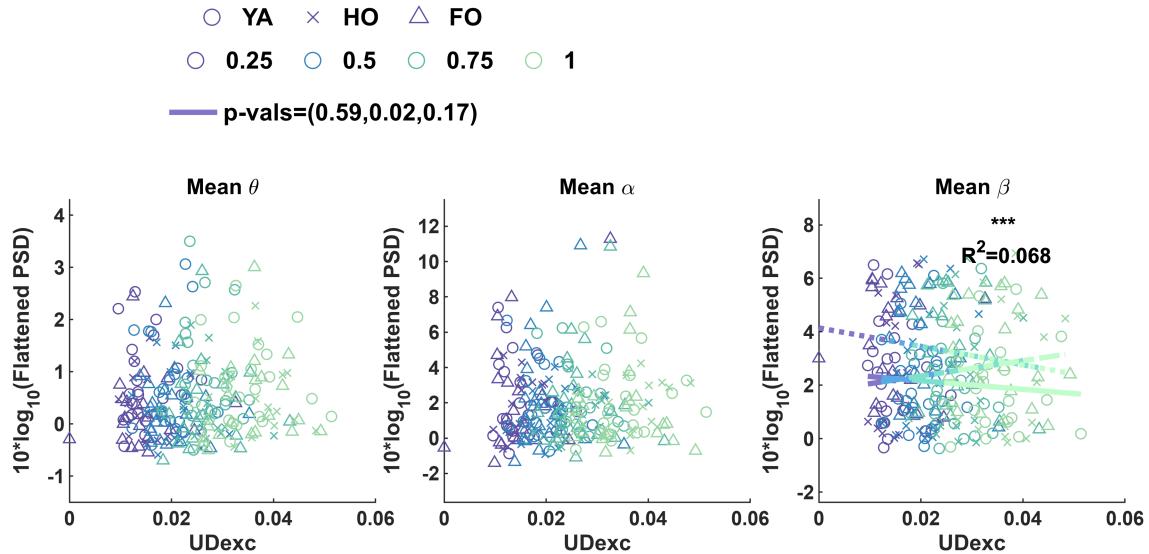
Number of observations: 244, Error degrees of freedom: 238

Root Mean Squared Error: 1.94

R-squared: 0.0872, Adjusted R-Squared: 0.068

F-statistic vs. constant model: 4.55, p-value = 0.000558

## CL9: Postcentral\_R



```
###9-theta_avg_power) mean_StanceDur
SumOfSquares      DF      MeanSquares      F      pValue
_____          _____          _____          _____
```

group_char	0.74126	2	0.37063	0.61715	0.54034
mean_StanceDur	1.6155	1	1.6155	2.6899	0.10231
group_char:mean_StanceDur	0.48014	2	0.24007	0.39974	0.67094
Error	142.93	238	0.60056		
Total	155.17	243			

Linear regression model:

```
theta_avg_power ~ 1 + group_char*mean_StanceDur
```

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	0.88815	0.19763	4.4939	1.092e-05
group_char_H2000's	-0.09752	0.36934	-0.26404	0.79198
group_char_H3000's	-0.37156	0.33553	-1.1074	0.26925
mean_StanceDur	-0.097348	0.14604	-0.6666	0.50567
group_char_H2000's:mean_StanceDur	-0.27904	0.32064	-0.87025	0.38504
group_char_H3000's:mean_StanceDur	-0.12004	0.30998	-0.38725	0.69891

Number of observations: 244, Error degrees of freedom: 238

Root Mean Squared Error: 0.775

R-squared: 0.0789, Adjusted R-Squared: 0.0595

F-statistic vs. constant model: 4.08, p-value = 0.00144

##9-alpha\_avg\_power) mean\_StanceDur

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	1.7183	2	0.85916	0.17168	0.84235
mean_StanceDur	5.1774	1	5.1774	1.0346	0.31012
group_char:mean_StanceDur	1.7647	2	0.88233	0.17631	0.83847
Error	1191	238	5.0044		
Total	1202.9	243			

Linear regression model:

```
alpha_avg_power ~ 1 + group_char*mean_StanceDur
```

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	1.7738	0.57051	3.1092	0.0021044
group_char_H2000's	-0.62112	1.0662	-0.58257	0.56073
group_char_H3000's	-0.23578	0.96857	-0.24343	0.80788
mean_StanceDur	0.13598	0.42156	0.32256	0.74731
group_char_H2000's:mean_StanceDur	0.36663	0.92559	0.39611	0.69238
group_char_H3000's:mean_StanceDur	0.4627	0.89481	0.51709	0.60557

Number of observations: 244, Error degrees of freedom: 238

Root Mean Squared Error: 2.24

R-squared: 0.00988, Adjusted R-Squared: -0.0109

F-statistic vs. constant model: 0.475, p-value = 0.795

##9-beta\_avg\_power) mean\_StanceDur

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	9.0295	2	4.5147	1.1893	0.30625
mean_StanceDur	6.9509	1	6.9509	1.831	0.17729
group_char:mean_StanceDur	1.9667	2	0.98335	0.25903	0.77201
Error	903.5	238	3.7962		
Total	980.6	243			

Linear regression model:

```
beta_avg_power ~ 1 + group_char*mean_StanceDur
```

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	1.7963	0.49689	3.615	0.00036651
group_char_H2000's	-0.15074	0.92859	-0.16233	0.87119
group_char_H3000's	1.1847	0.84359	1.4044	0.16152
mean_StanceDur	0.24789	0.36717	0.67514	0.50024
group_char_H2000's:mean_StanceDur	0.58014	0.80615	0.71964	0.47246
group_char_H3000's:mean_StanceDur	0.1098	0.77934	0.14089	0.88808

Number of observations: 244, Error degrees of freedom: 238

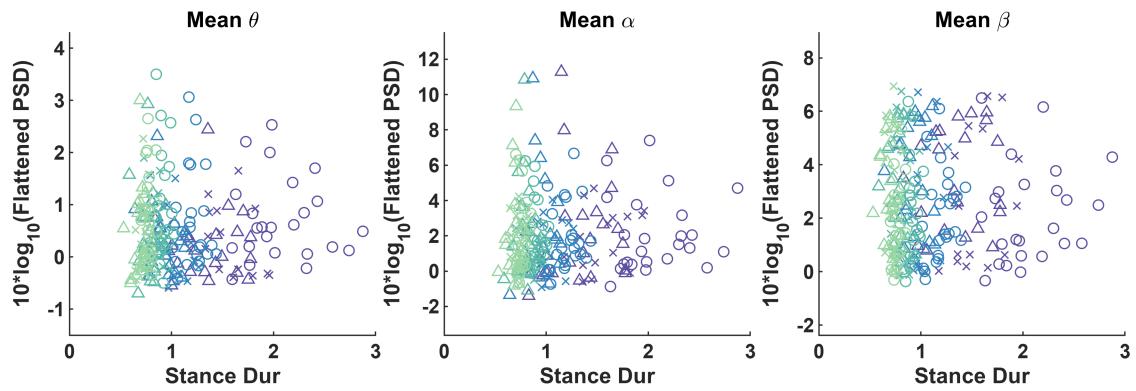
Root Mean Squared Error: 1.95

R-squared: 0.0786, Adjusted R-Squared: 0.0593

F-statistic vs. constant model: 4.06, p-value = 0.00148

## CL9: Postcentral\_R

○ YA    ✕ HO    △ FO  
 ○ 0.25    ○ 0.5    ○ 0.75    ○ 1



```

###9-theta_avg_power) mean_GaitCycleDur
      SumOfSquares      DF      MeanSquares      F      pValue
      _____      ____      _____      ____      _____
  
```

group_char	0.23477	2	0.11739	0.19556	0.8225
mean_GaitCycleDur	1.7551	1	1.7551	2.924	0.088573
group_char:mean_GaitCycleDur	0.6215	2	0.31075	0.51771	0.59655
Error	142.86	238	0.60024		
Total	155.17	243			

Linear regression model:

theta\_avg\_power ~ 1 + group\_char\*mean\_GaitCycleDur

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	0.88045	0.23645	3.7237	0.00024518
group_char_H2000's	-0.015743	0.44976	-0.035003	0.97211
group_char_H3000's	-0.24153	0.39966	-0.60434	0.54619
mean_GaitCycleDur	-0.061985	0.12219	-0.50727	0.61243
group_char_H2000's:mean_GaitCycleDur	-0.23832	0.26854	-0.88748	0.37572
group_char_H3000's:mean_GaitCycleDur	-0.17304	0.25463	-0.67957	0.49744

Number of observations: 244, Error degrees of freedom: 238

Root Mean Squared Error: 0.775

R-squared: 0.0794, Adjusted R-Squared: 0.06

F-statistic vs. constant model: 4.1, p-value = 0.00136

##9-alpha\_avg\_power) mean\_GaitCycleDur

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	0.91925	2	0.45963	0.091566	0.91253
mean_GaitCycleDur	1.6136	1	1.6136	0.32146	0.57127
group_char:mean_GaitCycleDur	0.31294	2	0.15647	0.031172	0.96931
Error	1194.7	238	5.0196		
Total	1202.9	243			

Linear regression model:

alpha\_avg\_power ~ 1 + group\_char\*mean\_GaitCycleDur

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	1.7699	0.68376	2.5885	0.010232
group_char_H2000's	-0.51234	1.3006	-0.39392	0.694
group_char_H3000's	0.042081	1.1557	0.03641	0.97099
mean_GaitCycleDur	0.094608	0.35336	0.26774	0.78913
group_char_H2000's:mean_GaitCycleDur	0.17443	0.77657	0.22462	0.82247
group_char_H3000's:mean_GaitCycleDur	0.11448	0.73635	0.15546	0.87659

Number of observations: 244, Error degrees of freedom: 238

Root Mean Squared Error: 2.24

R-squared: 0.00687, Adjusted R-Squared: -0.014

F-statistic vs. constant model: 0.329, p-value = 0.895

##9-beta\_avg\_power) mean\_GaitCycleDur

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	6.2478	2	3.1239	0.82064	0.44139
mean_GaitCycleDur	4.8489	1	4.8489	1.2738	0.26019
group_char:mean_GaitCycleDur	1.392	2	0.69602	0.18284	0.83302
Error	905.98	238	3.8066		
Total	980.6	243			

Linear regression model:

beta\_avg\_power ~ 1 + group\_char\*mean\_GaitCycleDur

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	1.8021	0.59545	3.0265	0.0027463
group_char_H2000's	-0.18621	1.1326	-0.16441	0.86955
group_char_H3000's	1.1639	1.0065	1.1564	0.24868
mean_GaitCycleDur	0.16539	0.30772	0.53749	0.59143
group_char_H2000's:mean_GaitCycleDur	0.40894	0.67626	0.6047	0.54595
group_char_H3000's:mean_GaitCycleDur	0.087707	0.64124	0.13678	0.89132

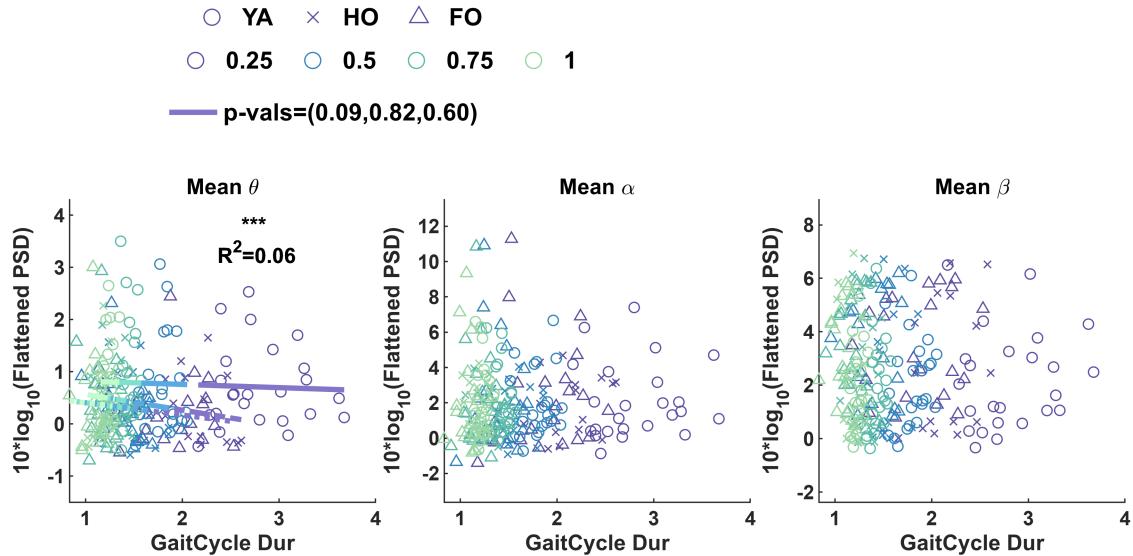
Number of observations: 244, Error degrees of freedom: 238

Root Mean Squared Error: 1.95

R-squared: 0.0761, Adjusted R-Squared: 0.0567

F-statistic vs. constant model: 3.92, p-value = 0.00196

## CL9: Postcentral\_R



```
###9-theta_avg_power) mean_PeakUpDownVel_mean
SumOfSquares   DF    MeanSquares      F      pValue
-----  -----  -----  -----  -----

```

group_char	2.9256	2	1.4628	2.4308	0.090147
mean_PeakUpDownVel_mean	0.94716	1	0.94716	1.574	0.21086
group_char:mean_PeakUpDownVel_mean	0.35024	2	0.17512	0.291	0.74778
Error	143.22	238	0.60177		
Total	155.17	243			

Linear regression model:

theta\_avg\_power ~ 1 + group\_char\*mean\_PeakUpDownVel\_mean

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	0.66555	0.18906	3.5204	0.0005163
group_char_H2000's	-0.32069	0.30373	-1.0559	0.2921
group_char_H3000's	-0.60814	0.2763	-2.201	0.028695
mean_PeakUpDownVel_mean	0.43332	0.73032	0.59333	0.55353
group_char_H2000's:mean_PeakUpDownVel_mean	-0.22148	1.0938	-0.20249	0.83971
group_char_H3000's:mean_PeakUpDownVel_mean	0.56744	1.0286	0.55165	0.58171

Number of observations: 244, Error degrees of freedom: 238

Root Mean Squared Error: 0.776

R-squared: 0.077, Adjusted R-Squared: 0.0576

F-statistic vs. constant model: 3.97, p-value = 0.00177

##9-alpha\_avg\_power) mean\_PeakUpDownVel\_mean

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	6.7757	2	3.3878	0.67587	0.50969
mean_PeakUpDownVel_mean	0.25794	1	0.25794	0.051459	0.82074
group_char:mean_PeakUpDownVel_mean	3.217	2	1.6085	0.32089	0.72582
Error	1193	238	5.0126		
Total	1202.9	243			

Linear regression model:

alpha\_avg\_power ~ 1 + group\_char\*mean\_PeakUpDownVel\_mean

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	2.0923	0.54564	3.8345	0.00016113
group_char_H2000's	-0.88324	0.87659	-1.0076	0.31468
group_char_H3000's	0.076331	0.79743	0.095722	0.92382
mean_PeakUpDownVel_mean	-0.63724	2.1078	-0.30233	0.76267
group_char_H2000's:mean_PeakUpDownVel_mean	2.39	3.1569	0.75707	0.44976
group_char_H3000's:mean_PeakUpDownVel_mean	0.38065	2.9687	0.12822	0.89808

Number of observations: 244, Error degrees of freedom: 238

Root Mean Squared Error: 2.24

R-squared: 0.00826, Adjusted R-Squared: -0.0126

F-statistic vs. constant model: 0.397, p-value = 0.851

##9-beta\_avg\_power) mean\_PeakUpDownVel\_mean

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	29.449	2	14.724	3.9161	0.021214
mean_PeakUpDownVel_mean	4.9813	1	4.9813	1.3249	0.25088
group_char:mean_PeakUpDownVel_mean	9.8598	2	4.9299	1.3112	0.27144
Error	894.86	238	3.7599		
Total	980.6	243			

Linear regression model:

beta\_avg\_power ~ 1 + group\_char\*mean\_PeakUpDownVel\_mean

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	2.5277	0.47257	5.3489	2.0758e-07
group_char_H2000's	-0.34107	0.7592	-0.44925	0.65366
group_char_H3000's	1.5939	0.69064	2.3079	0.021863
mean_PeakUpDownVel_mean	-1.8037	1.8255	-0.98806	0.32413
group_char_H2000's:mean_PeakUpDownVel_mean	2.998	2.7341	1.0965	0.27397
group_char_H3000's:mean_PeakUpDownVel_mean	-1.3614	2.5712	-0.52947	0.59697

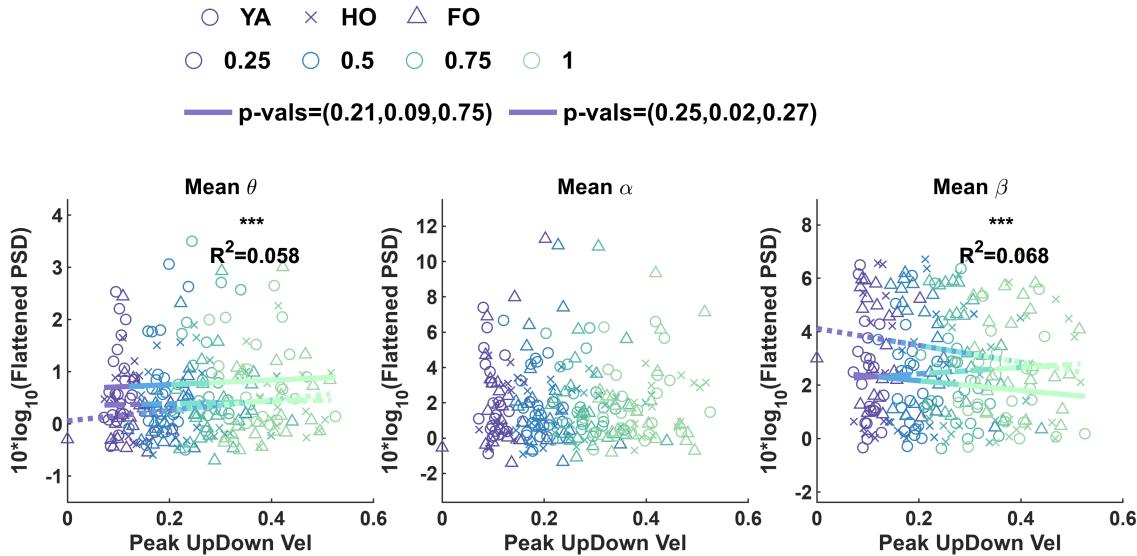
Number of observations: 244, Error degrees of freedom: 238

Root Mean Squared Error: 1.94

R-squared: 0.0874, Adjusted R-Squared: 0.0683

F-statistic vs. constant model: 4.56, p-value = 0.000544

## CL9: Postcentral\_R



```
###10-theta_avg_power) mean_APexc_COV
SumOfSquares      DF      MeanSquares      F      pValue
_____           _____           _____           _____
```

group_char	1.8614	2	0.93069	1.5872	0.20681
mean_APexc_COV	0.15737	1	0.15737	0.26839	0.60493
group_char:mean_APexc_COV	2.1247	2	1.0623	1.8117	0.16578
Error	130.17	222	0.58637		
Total	133.22	227			

Linear regression model:

```
theta_avg_power ~ 1 + group_char*mean_APexc_COV
```

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	0.99074	0.32211	3.0758	0.002363
group_char_H2000's	-0.057901	0.53919	-0.10738	0.91458
group_char_H3000's	-0.83685	0.49764	-1.6816	0.094045
mean_APexc_COV	-0.0192	0.019566	-0.98128	0.32753
group_char_H2000's:mean_APexc_COV	0.0017288	0.026952	0.064145	0.94891
group_char_H3000's:mean_APexc_COV	0.039793	0.024889	1.5988	0.11128

Number of observations: 228, Error degrees of freedom: 222

Root Mean Squared Error: 0.766

R-squared: 0.0228, Adjusted R-Squared: 0.000841

F-statistic vs. constant model: 1.04, p-value = 0.396

```
###10-alpha_avg_power) mean_APexc_COV
```

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	18.146	2	9.073	1.3748	0.25502
mean_APexc_COV	2.5375	1	2.5375	0.38451	0.53583
group_char:mean_APexc_COV	18.866	2	9.4332	1.4294	0.24164
Error	1465	222	6.5993		
Total	1504.6	227			

Linear regression model:

```
alpha_avg_power ~ 1 + group_char*mean_APexc_COV
```

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	4.0645	1.0806	3.7614	0.00021621
group_char_H2000's	-1.5742	1.8089	-0.87027	0.38509
group_char_H3000's	-2.7349	1.6695	-1.6382	0.10279
mean_APexc_COV	-0.10641	0.06564	-1.6212	0.1064
group_char_H2000's:mean_APexc_COV	0.11932	0.090416	1.3197	0.18829
group_char_H3000's:mean_APexc_COV	0.13536	0.083498	1.6211	0.10641

Number of observations: 228, Error degrees of freedom: 222

Root Mean Squared Error: 2.57

R-squared: 0.0263, Adjusted R-Squared: 0.00436

F-statistic vs. constant model: 1.2, p-value = 0.311

```
###10-beta_avg_power) mean_APexc_COV
```

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	1.4796	2	0.73981	0.41272	0.66235
mean_APexc_COV	0.18747	1	0.18747	0.10459	0.7467
group_char:mean_APexc_COV	1.4595	2	0.72977	0.40712	0.66606
Error	397.94	222	1.7925		
Total	421.49	227			

Linear regression model:

```
beta_avg_power ~ 1 + group_char*mean_APexc_COV
```

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	1.9231	0.56318	3.4146	0.0007592
group_char_H2000's	0.05403	0.94273	0.057313	0.95435
group_char_H3000's	-0.70828	0.87008	-0.81404	0.4165
mean_APexc_COV	-0.029771	0.03421	-0.87024	0.38511
group_char_H2000's:mean_APexc_COV	0.035018	0.047123	0.74312	0.4582
group_char_H3000's:mean_APexc_COV	0.036747	0.043517	0.84444	0.39934

Number of observations: 228, Error degrees of freedom: 222

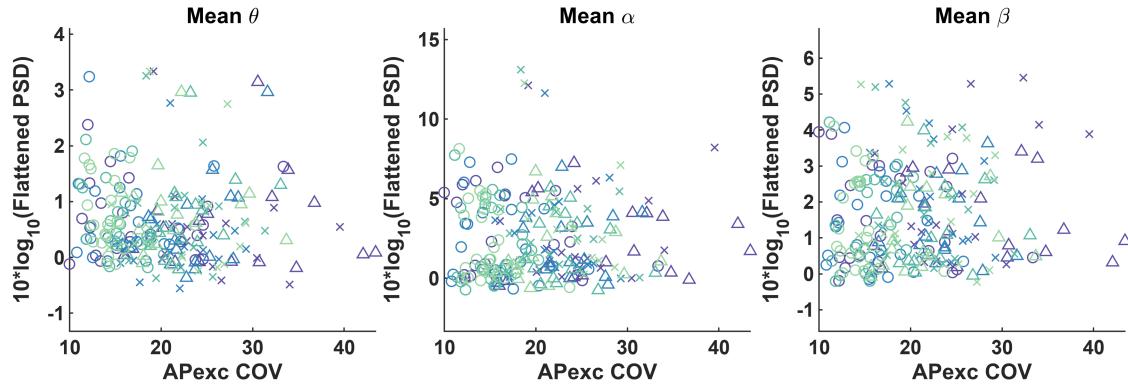
Root Mean Squared Error: 1.34

R-squared: 0.0559, Adjusted R-Squared: 0.0346

F-statistic vs. constant model: 2.63, p-value = 0.0248

## CL10: Precuneus\_L

○ YA    ✕ HO    ▲ FO  
 ○ 0.25    ○ 0.5    ○ 0.75    ○ 1



```

###10-theta_avg_power) mean_APexc_mean
      SumOfSquares      DF      MeanSquares      F      pValue
      _____      _____      _____      _____      _____

```

group_char	0.968	2	0.484	0.82619	0.43906
mean_APexc_mean	1.3456	1	1.3456	2.297	0.13105
group_char:mean_APexc_mean	1.0553	2	0.52763	0.90066	0.40778
Error	130.05	222	0.58582		
Total	133.22	227			

Linear regression model:

theta\_avg\_power ~ 1 + group\_char\*mean\_APexc\_mean

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	0.7485	0.2888	2.5917	0.010183
group_char_H2000's	-0.094565	0.40699	-0.23235	0.81648
group_char_H3000's	0.38039	0.39574	0.96122	0.33749
mean_APexc_mean	-1.1724	5.087	-0.23048	0.81793
group_char_H2000's:mean_APexc_mean	-1.5872	8.0851	-0.19632	0.84454
group_char_H3000's:mean_APexc_mean	-10.094	7.8148	-1.2916	0.19783

Number of observations: 228, Error degrees of freedom: 222

Root Mean Squared Error: 0.765

R-squared: 0.0238, Adjusted R-Squared: 0.00177

F-statistic vs. constant model: 1.08, p-value = 0.372

###10-alpha\_avg\_power) mean\_APexc\_mean

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	0.45392	2	0.22696	0.033976	0.9666
mean_APexc_mean	0.061191	1	0.061191	0.0091604	0.92384
group_char:mean_APexc_mean	1.7101	2	0.85505	0.128	0.87992
Error	1483	222	6.68		
Total	1504.6	227			

Linear regression model:

alpha\_avg\_power ~ 1 + group\_char\*mean\_APexc\_mean

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	2.1515	0.97523	2.2061	0.028402
group_char_H2000's	0.35816	1.3743	0.26061	0.79463
group_char_H3000's	0.17361	1.3363	0.12992	0.89675
mean_APexc_mean	3.9569	17.178	0.23035	0.81803
group_char_H2000's:mean_APexc_mean	2.4101	27.302	0.088277	0.92974
group_char_H3000's:mean_APexc_mean	-11.04	26.389	-0.41835	0.67609

Number of observations: 228, Error degrees of freedom: 222

Root Mean Squared Error: 2.58

R-squared: 0.0144, Adjusted R-Squared: -0.00781

F-statistic vs. constant model: 0.648, p-value = 0.663

###10-beta\_avg\_power) mean\_APexc\_mean

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	7.1014	2	3.5507	1.9824	0.14017
mean_APexc_mean	0.18772	1	0.18772	0.10481	0.74644
group_char:mean_APexc_mean	1.4585	2	0.72926	0.40715	0.66604
Error	397.63	222	1.7911		
Total	421.49	227			

Linear regression model:

beta\_avg\_power ~ 1 + group\_char\*mean\_APexc\_mean

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	1.1033	0.50499	2.1847	0.029957
group_char_H2000's	1.2425	0.71164	1.7459	0.08221
group_char_H3000's	0.058893	0.69197	0.08511	0.93225
mean_APexc_mean	6.323	8.8948	0.71086	0.47792
group_char_H2000's:mean_APexc_mean	-12.092	14.137	-0.85531	0.3933
group_char_H3000's:mean_APexc_mean	-1.2006	13.665	-0.087862	0.93007

Number of observations: 228, Error degrees of freedom: 222

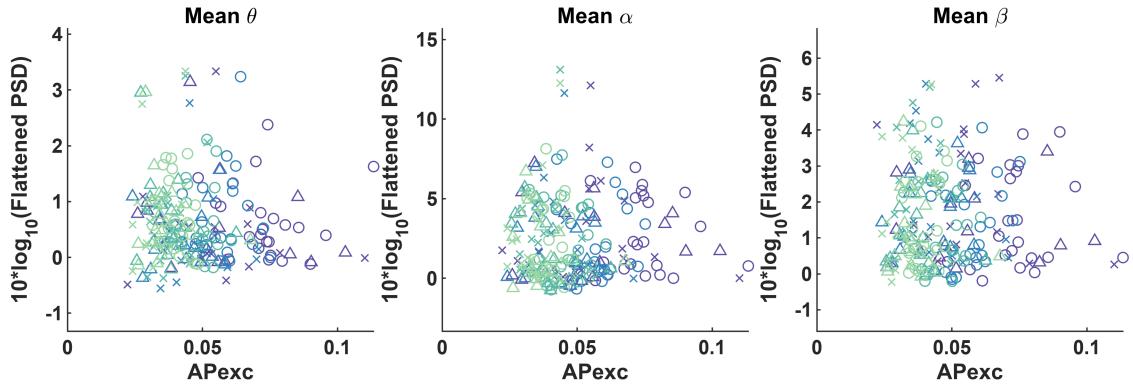
Root Mean Squared Error: 1.34

R-squared: 0.0566, Adjusted R-Squared: 0.0354

F-statistic vs. constant model: 2.66, p-value = 0.0231

## CL10: Precuneus\_L

○ YA    ✕ HO    △ FO  
 ○ 0.25    ○ 0.5    ○ 0.75    ○ 1



```

###10-theta_avg_power) mean_MLexc_COV
      SumOfSquares      DF      MeanSquares      F      pValue

```

group_char	0.065626	2	0.032813	0.05531	0.9462
mean_MLexc_COV	0.2633	1	0.2633	0.44382	0.50597
group_char:mean_MLexc_COV	0.27607	2	0.13804	0.23268	0.7926
Error	131.7	222	0.59326		
Total	133.22	227			

Linear regression model:

```
theta_avg_power ~ 1 + group_char*mean_MLexc_COV
```

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	0.5376	0.22366	2.4037	0.017053
group_char_H2000's	0.044652	0.36128	0.12359	0.90175
group_char_H3000's	-0.08924	0.37122	-0.2404	0.81025
mean_MLexc_COV	0.0099004	0.014066	0.70384	0.48227
group_char_H2000's:mean_MLexc_COV	-0.013285	0.023719	-0.56008	0.57599
group_char_H3000's:mean_MLexc_COV	0.0043748	0.024683	0.17724	0.85948

Number of observations: 228, Error degrees of freedom: 222

Root Mean Squared Error: 0.77

R-squared: 0.0114, Adjusted R-Squared: -0.0109

F-statistic vs. constant model: 0.51, p-value = 0.768

```
###10-alpha_avg_power) mean_MLexc_COV
```

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	13.351	2	6.6755	1.0102	0.3658
mean_MLexc_COV	13.186	1	13.186	1.9955	0.15917
group_char:mean_MLexc_COV	7.2131	2	3.6066	0.5458	0.58015
Error	1466.9	222	6.6079		
Total	1504.6	227			

Linear regression model:

```
alpha_avg_power ~ 1 + group_char*mean_MLexc_COV
```

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	2.5897	0.74644	3.4694	0.00062645
group_char_H2000's	1.5581	1.2057	1.2923	0.19761
group_char_H3000's	-0.083407	1.2389	-0.067322	0.94639
mean_MLexc_COV	-0.014984	0.046945	-0.31918	0.74989
group_char_H2000's:mean_MLexc_COV	-0.082202	0.07916	-1.0384	0.3002
group_char_H3000's:mean_MLexc_COV	-0.019979	0.082378	-0.24253	0.8086

Number of observations: 228, Error degrees of freedom: 222

Root Mean Squared Error: 2.57

R-squared: 0.025, Adjusted R-Squared: 0.00307

F-statistic vs. constant model: 1.14, p-value = 0.34

```
###10-beta_avg_power) mean_MLexc_COV
```

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	9.3599	2	4.68	2.6465	0.073133
mean_MLexc_COV	3.3974	1	3.3974	1.9212	0.16711
group_char:mean_MLexc_COV	5.5172	2	2.7586	1.56	0.21243
Error	392.57	222	1.7683		
Total	421.49	227			

Linear regression model:

```
beta_avg_power ~ 1 + group_char*mean_MLexc_COV
```

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	1.2269	0.38614	3.1774	0.0016975
group_char_H2000's	1.3856	0.62373	2.2215	0.027328
group_char_H3000's	0.88689	0.64091	1.3838	0.16781
mean_MLexc_COV	0.014914	0.024285	0.61411	0.53977
group_char_H2000's:mean_MLexc_COV	-0.05169	0.04095	-1.2623	0.20818
group_char_H3000's:mean_MLexc_COV	-0.067735	0.042615	-1.5895	0.11338

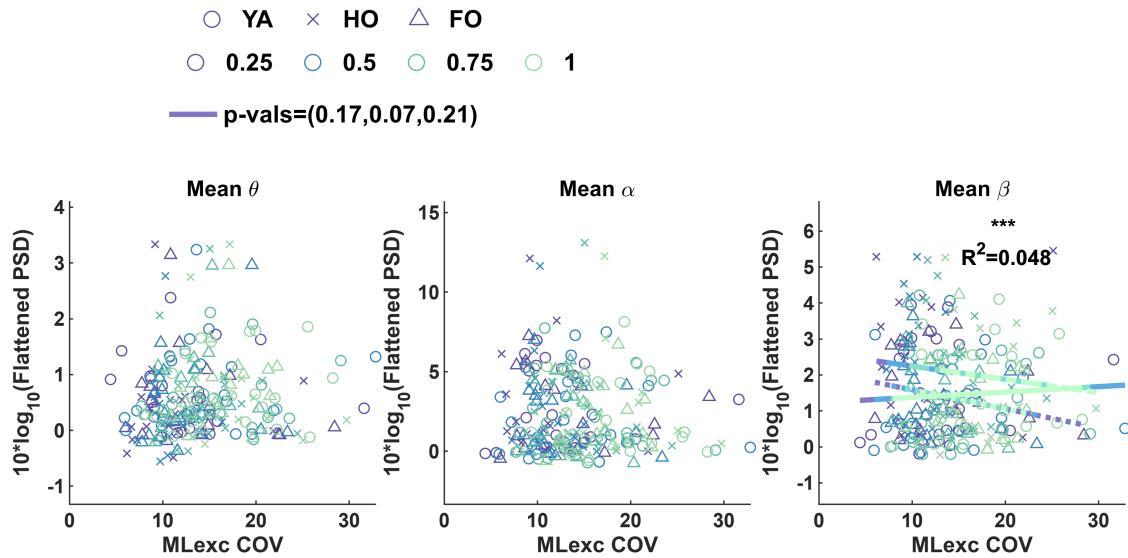
Number of observations: 228, Error degrees of freedom: 222

Root Mean Squared Error: 1.33

R-squared: 0.0686, Adjusted R-Squared: 0.0476

F-statistic vs. constant model: 3.27, p-value = 0.00718

## CL10: Precuneus\_L



```
###10-theta_avg_power) mean_MLexc_mean
SumOfSquares      DF      MeanSquares      F      pValue
_____           _____           _____           _____
```

group_char	0.04961	2	0.024805	0.042096	0.95879
mean_MLexc_mean	0.97727	1	0.97727	1.6585	0.19914
group_char:mean_MLexc_mean	0.32409	2	0.16205	0.27501	0.75982
Error	130.81	222	0.58924		
Total	133.22	227			

Linear regression model:

theta\_avg\_power ~ 1 + group\_char\*mean\_MLexc\_mean

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	0.73587	0.23784	3.094	0.0022285
group_char_H2000's	0.092125	0.32909	0.27994	0.77979
group_char_H3000's	0.070729	0.34245	0.20654	0.83656
mean_MLexc_mean	-0.63542	2.7721	-0.22922	0.81891
group_char_H2000's:mean_MLexc_mean	-2.6216	3.6054	-0.72711	0.46792
group_char_H3000's:mean_MLexc_mean	-1.1051	3.7172	-0.29731	0.76651

Number of observations: 228, Error degrees of freedom: 222

Root Mean Squared Error: 0.768

R-squared: 0.0181, Adjusted R-Squared: -0.00406

F-statistic vs. constant model: 0.817, p-value = 0.539

###10-alpha\_avg\_power) mean\_MLexc\_mean

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	5.3776	2	2.6888	0.40262	0.66905
mean_MLexc_mean	0.57058	1	0.57058	0.08544	0.77033
group_char:mean_MLexc_mean	1.8373	2	0.91866	0.13756	0.87155
Error	1482.5	222	6.6781		
Total	1504.6	227			

Linear regression model:

alpha\_avg\_power ~ 1 + group\_char\*mean\_MLexc\_mean

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	2.7835	0.80068	3.4764	0.00061125
group_char_H2000's	0.035874	1.1079	0.032381	0.9742
group_char_H3000's	-0.87545	1.1529	-0.75937	0.44844
mean_MLexc_mean	-5.1505	9.3324	-0.55189	0.58158
group_char_H2000's:mean_MLexc_mean	4.7636	12.138	0.39246	0.69509
group_char_H3000's:mean_MLexc_mean	6.3838	12.514	0.51014	0.61046

Number of observations: 228, Error degrees of freedom: 222

Root Mean Squared Error: 2.58

R-squared: 0.0147, Adjusted R-Squared: -0.00753

F-statistic vs. constant model: 0.66, p-value = 0.654

###10-beta\_avg\_power) mean\_MLexc\_mean

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	5.0603	2	2.5302	1.4084	0.24671
mean_MLexc_mean	0.16619	1	0.16619	0.092509	0.7613
group_char:mean_MLexc_mean	0.48823	2	0.24412	0.13589	0.87301
Error	398.82	222	1.7965		
Total	421.49	227			

Linear regression model:

beta\_avg\_power ~ 1 + group\_char\*mean\_MLexc\_mean

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	1.5976	0.41528	3.847	0.00015627
group_char_H2000's	0.63935	0.57462	1.1126	0.26706
group_char_H3000's	-0.31589	0.59794	-0.52829	0.59782
mean_MLexc_mean	-1.8485	4.8404	-0.3819	0.7029
group_char_H2000's:mean_MLexc_mean	0.29003	6.2954	0.046071	0.9633
group_char_H3000's:mean_MLexc_mean	2.9327	6.4904	0.45185	0.65182

Number of observations: 228, Error degrees of freedom: 222

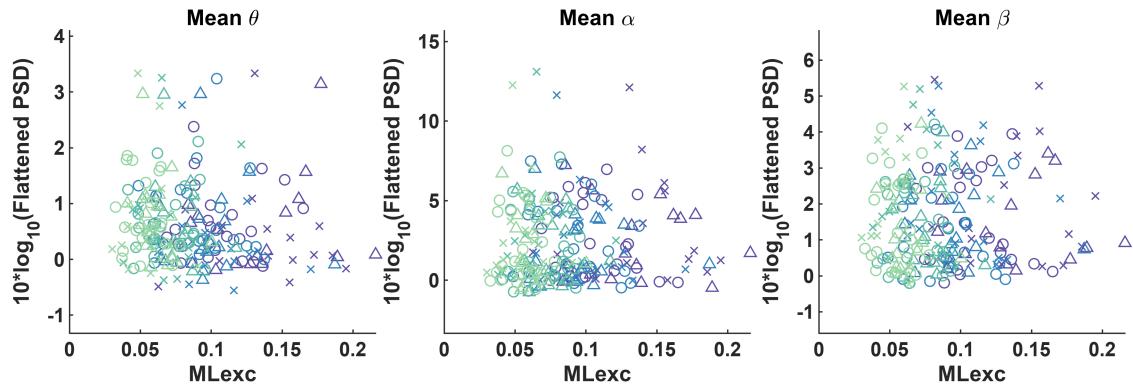
Root Mean Squared Error: 1.34

R-squared: 0.0538, Adjusted R-Squared: 0.0325

F-statistic vs. constant model: 2.52, p-value = 0.0302

## CL10: Precuneus\_L

○ YA    ✕ HO    △ FO  
 ○ 0.25    ○ 0.5    ○ 0.75    ○ 1



```

###10-theta_avg_power) mean_StepDur
      SumOfSquares      DF      MeanSquares          F      pValue
      _____      ____      _____      _____      _____
  
```

group_char	0.73939	2	0.36969	0.62792	0.53464
mean_StepDur	1.3541	1	1.3541	2.2999	0.1308
group_char:mean_StepDur	1.0217	2	0.51087	0.86771	0.42133
Error	130.7	222	0.58875		
Total	133.22	227			

Linear regression model:

theta\_avg\_power ~ 1 + group\_char\*mean\_StepDur

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	0.72048	0.24324	2.962	0.0033891
group_char_H2000's	0.020883	0.42467	0.049174	0.96082
group_char_H3000's	0.4869	0.45085	1.08	0.28133
mean_StepDur	-0.039401	0.25177	-0.15649	0.87579
group_char_H2000's:mean_StepDur	-0.23562	0.51266	-0.45961	0.64625
group_char_H3000's:mean_StepDur	-0.75395	0.57804	-1.3043	0.19348

Number of observations: 228, Error degrees of freedom: 222

Root Mean Squared Error: 0.767

R-squared: 0.0189, Adjusted R-Squared: -0.00323

F-statistic vs. constant model: 0.854, p-value = 0.513

###10-alpha\_avg\_power) mean\_StepDur

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	0.12357	2	0.061784	0.0092602	0.99078
mean_StepDur	1.7111	1	1.7111	0.25646	0.61306
group_char:mean_StepDur	0.80322	2	0.40161	0.060194	0.9416
Error	1481.2	222	6.6719		
Total	1504.6	227			

Linear regression model:

alpha\_avg\_power ~ 1 + group\_char\*mean\_StepDur

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	1.9842	0.81883	2.4232	0.016186
group_char_H2000's	0.19133	1.4296	0.13384	0.89365
group_char_H3000's	0.027171	1.5177	0.017903	0.98573
mean_StepDur	0.41996	0.84755	0.4955	0.62074
group_char_H2000's:mean_StepDur	0.39082	1.7258	0.22646	0.82105
group_char_H3000's:mean_StepDur	-0.40543	1.9459	-0.20835	0.83514

Number of observations: 228, Error degrees of freedom: 222

Root Mean Squared Error: 2.58

R-squared: 0.0156, Adjusted R-Squared: -0.00659

F-statistic vs. constant model: 0.703, p-value = 0.622

###10-beta\_avg\_power) mean\_StepDur

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	5.4688	2	2.7344	1.5268	0.21949
mean_StepDur	0.50617	1	0.50617	0.28264	0.59551
group_char:mean_StepDur	1.4076	2	0.70382	0.393	0.6755
Error	397.58	222	1.7909		
Total	421.49	227			

Linear regression model:

beta\_avg\_power ~ 1 + group\_char\*mean\_StepDur

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	1.2725	0.42423	2.9994	0.0030135
group_char_H2000's	1.0399	0.74065	1.4041	0.16169
group_char_H3000's	-0.43678	0.78631	-0.55548	0.57912
mean_StepDur	0.19268	0.43911	0.4388	0.66124
group_char_H2000's:mean_StepDur	-0.47991	0.89412	-0.53674	0.59198
group_char_H3000's:mean_StepDur	0.57917	1.0082	0.57448	0.56623

Number of observations: 228, Error degrees of freedom: 222

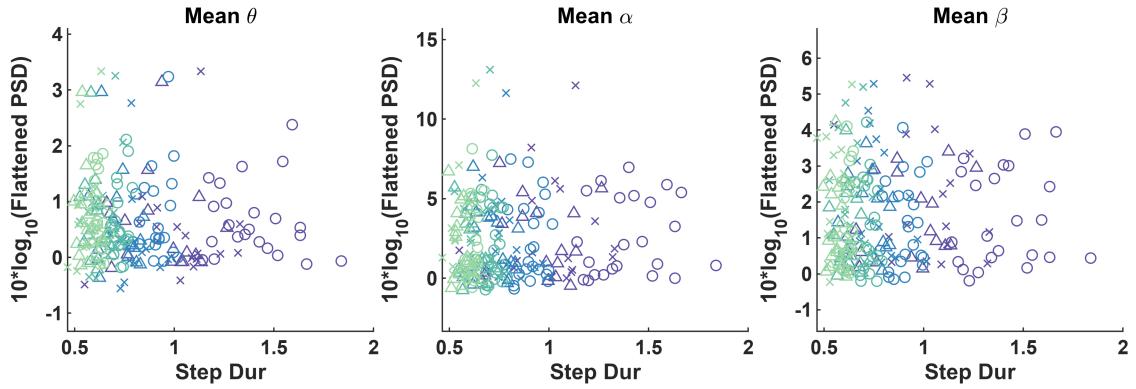
Root Mean Squared Error: 1.34

R-squared: 0.0567, Adjusted R-Squared: 0.0355

F-statistic vs. constant model: 2.67, p-value = 0.0229

## CL10: Precuneus\_L

○ YA    ✕ HO    ▲ FO  
 ○ 0.25    ○ 0.5    ○ 0.75    ○ 1



```

###10-theta_avg_power) mean_UDexc_COV
      SumOfSquares      DF      MeanSquares          F      pValue

```

group_char	0.51925	2	0.25962	0.44007	0.64455
mean_UDexc_COV	1.1376	1	1.1376	1.9282	0.16635
group_char:mean_UDexc_COV	0.36842	2	0.18421	0.31224	0.73213
Error	130.97	222	0.58997		
Total	133.22	227			

Linear regression model:

theta\_avg\_power ~ 1 + group\_char\*mean\_UDexc\_COV

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	0.76495	0.19974	3.8298	0.00016689
group_char_H2000's	-0.11618	0.3033	-0.38305	0.70205
group_char_H3000's	0.20914	0.33036	0.63307	0.52734
mean_UDexc_COV	-0.006281	0.014291	-0.43952	0.66072
group_char_H2000's:mean_UDexc_COV	-0.0022297	0.021125	-0.10555	0.91604
group_char_H3000's:mean_UDexc_COV	-0.016995	0.022572	-0.7529	0.45231

Number of observations: 228, Error degrees of freedom: 222

Root Mean Squared Error: 0.768

R-squared: 0.0169, Adjusted R-Squared: -0.00529

F-statistic vs. constant model: 0.761, p-value = 0.579

###10-alpha\_avg\_power) mean\_UDexc\_COV

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	7.1896	2	3.5948	0.54282	0.58188
mean_UDexc_COV	9.7625	1	9.7625	1.4741	0.22598
group_char:mean_UDexc_COV	7.0281	2	3.514	0.53062	0.58898
Error	1470.2	222	6.6225		
Total	1504.6	227			

Linear regression model:

alpha\_avg\_power ~ 1 + group\_char\*mean\_UDexc\_COV

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	2.326	0.6692	3.4758	0.00061245
group_char_H2000's	1.0222	1.0162	1.0059	0.31555
group_char_H3000's	0.71905	1.1068	0.64965	0.51659
mean_UDexc_COV	0.0032289	0.047879	0.067438	0.94629
group_char_H2000's:mean_UDexc_COV	-0.045314	0.070777	-0.64024	0.52267
group_char_H3000's:mean_UDexc_COV	-0.075891	0.075627	-1.0035	0.31672

Number of observations: 228, Error degrees of freedom: 222

Root Mean Squared Error: 2.57

R-squared: 0.0229, Adjusted R-Squared: 0.000861

F-statistic vs. constant model: 1.04, p-value = 0.395

###10-beta\_avg\_power) mean\_UDexc\_COV

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	8.871	2	4.4355	2.4815	0.085931
mean_UDexc_COV	1.0165	1	1.0165	0.56871	0.45157
group_char:mean_UDexc_COV	1.8191	2	0.90955	0.50887	0.60187
Error	396.8	222	1.7874		
Total	421.49	227			

Linear regression model:

beta\_avg\_power ~ 1 + group\_char\*mean\_UDexc\_COV

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	1.3595	0.34766	3.9104	0.00012244
group_char_H2000's	1.1395	0.52792	2.1585	0.03196
group_char_H3000's	0.20341	0.57501	0.35376	0.72386
mean_UDexc_COV	0.0069316	0.024874	0.27867	0.78076
group_char_H2000's:mean_UDexc_COV	-0.036974	0.03677	-1.0056	0.31573
group_char_H3000's:mean_UDexc_COV	-0.019806	0.03929	-0.5041	0.61469

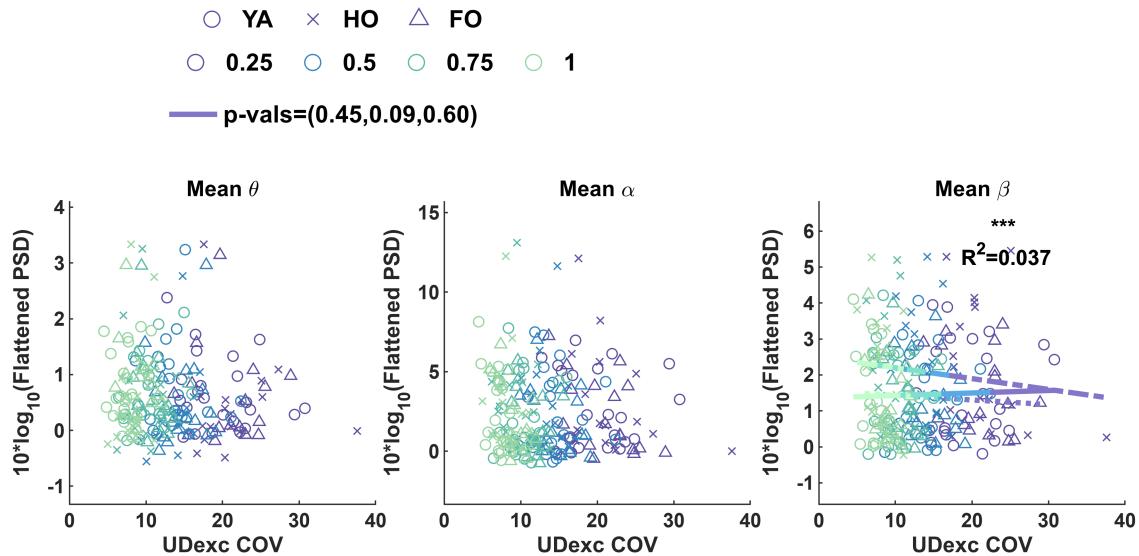
Number of observations: 228, Error degrees of freedom: 222

Root Mean Squared Error: 1.34

R-squared: 0.0586, Adjusted R-Squared: 0.0374

F-statistic vs. constant model: 2.76, p-value = 0.0192

## CL10: Precuneus\_L



```
###10-theta_avg_power) mean_UDexc_mean
SumOfSquares      DF      MeanSquares      F      pValue
_____           _____           _____           _____
```

group_char	3.0548	2	1.5274	2.6292	0.07438
mean_UDexc_mean	1.0478	1	1.0478	1.8037	0.18064
group_char:mean_UDexc_mean	2.2695	2	1.1347	1.9533	0.14423
Error	128.97	222	0.58093		
Total	133.22	227			

Linear regression model:

theta\_avg\_power ~ 1 + group\_char\*mean\_UDexc\_mean

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	0.81804	0.23641	3.4602	0.00064709
group_char_H2000's	-0.77247	0.33728	-2.2903	0.022943
group_char_H3000's	-0.345	0.34569	-0.998	0.31936
mean_UDexc_mean	-5.5811	9.3073	-0.59965	0.54935
group_char_H2000's:mean_UDexc_mean	25.854	13.089	1.9752	0.049484
group_char_H3000's:mean_UDexc_mean	12.265	12.986	0.94451	0.34593

Number of observations: 228, Error degrees of freedom: 222

Root Mean Squared Error: 0.762

R-squared: 0.0319, Adjusted R-Squared: 0.0101

F-statistic vs. constant model: 1.46, p-value = 0.203

###10-alpha\_avg\_power) mean\_UDexc\_mean

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	5.0214	2	2.5107	0.37766	0.6859
mean_UDexc_mean	1.7266	1	1.7266	0.25971	0.61083
group_char:mean_UDexc_mean	7.3023	2	3.6511	0.5492	0.57819
Error	1475.9	222	6.6481		
Total	1504.6	227			

Linear regression model:

alpha\_avg\_power ~ 1 + group\_char\*mean\_UDexc\_mean

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	1.6133	0.79976	2.0172	0.044876
group_char_H2000's	0.9214	1.141	0.80755	0.42022
group_char_H3000's	0.78237	1.1694	0.66903	0.50417
mean_UDexc_mean	31.52	31.485	1.0011	0.31786
group_char_H2000's:mean_UDexc_mean	-21.167	44.279	-0.47805	0.63309
group_char_H3000's:mean_UDexc_mean	-45.954	43.929	-1.0461	0.29666

Number of observations: 228, Error degrees of freedom: 222

Root Mean Squared Error: 2.58

R-squared: 0.0191, Adjusted R-Squared: -0.003

F-statistic vs. constant model: 0.864, p-value = 0.506

###10-beta\_avg\_power) mean\_UDexc\_mean

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	12.398	2	6.1992	3.5121	0.031501
mean_UDexc_mean	0.28585	1	0.28585	0.16195	0.68776
group_char:mean_UDexc_mean	7.2663	2	3.6331	2.0583	0.1301
Error	391.85	222	1.7651		
Total	421.49	227			

Linear regression model:

beta\_avg\_power ~ 1 + group\_char\*mean\_UDexc\_mean

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	0.90369	0.41209	2.1929	0.02935
group_char_H2000's	1.5364	0.58791	2.6133	0.0095793
group_char_H3000's	0.98823	0.60257	1.64	0.10241
mean_UDexc_mean	22.763	16.224	1.4031	0.16199
group_char_H2000's:mean_UDexc_mean	-36.996	22.816	-1.6215	0.10633
group_char_H3000's:mean_UDexc_mean	-42.457	22.636	-1.8757	0.062009

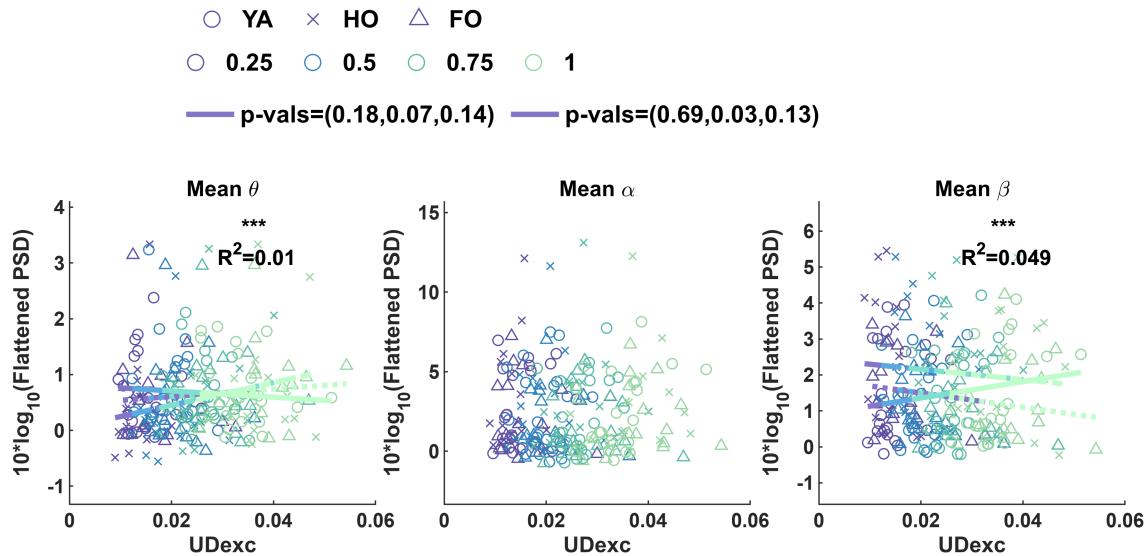
Number of observations: 228, Error degrees of freedom: 222

Root Mean Squared Error: 1.33

R-squared: 0.0703, Adjusted R-Squared: 0.0494

F-statistic vs. constant model: 3.36, p-value = 0.00605

## CL10: Precuneus\_L



```
###10-theta_avg_power) mean_StanceDur
SumOfSquares      DF      MeanSquares      F      pValue
_____           _____           _____           _____
```

group_char	0.61566	2	0.30783	0.52251	0.59376
mean_StanceDur	1.3524	1	1.3524	2.2955	0.13117
group_char:mean_StanceDur	0.94361	2	0.4718	0.80084	0.45024
Error	130.79	222	0.58914		
Total	133.22	227			

Linear regression model:

```
theta_avg_power ~ 1 + group_char*mean_StanceDur
```

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	0.71125	0.20347	3.4957	0.00057091
group_char_H2000's	0.015785	0.34855	0.045287	0.96392
group_char_H3000's	0.37368	0.37969	0.98418	0.3261
mean_StanceDur	-0.021543	0.15083	-0.14282	0.88656
group_char_H2000's:mean_StanceDur	-0.16663	0.30196	-0.55182	0.58163
group_char_H3000's:mean_StanceDur	-0.43298	0.35182	-1.2307	0.21974

Number of observations: 228, Error degrees of freedom: 222

Root Mean Squared Error: 0.768

R-squared: 0.0182, Adjusted R-Squared: -0.00388

F-statistic vs. constant model: 0.825, p-value = 0.533

```
###10-alpha_avg_power) mean_StanceDur
```

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	0.69787	2	0.34894	0.052275	0.94908
mean_StanceDur	1.9728	1	1.9728	0.29555	0.58723
group_char:mean_StanceDur	0.42602	2	0.21301	0.031911	0.9686
Error	1481.9	222	6.6751		
Total	1504.6	227			

Linear regression model:

```
alpha_avg_power ~ 1 + group_char*mean_StanceDur
```

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	2.1178	0.68487	3.0922	0.0022413
group_char_H2000's	0.21533	1.1732	0.18354	0.85454
group_char_H3000's	-0.24977	1.2781	-0.19543	0.84524
mean_StanceDur	0.20124	0.50771	0.39636	0.69222
group_char_H2000's:mean_StanceDur	0.24059	1.0164	0.23671	0.8131
group_char_H3000's:mean_StanceDur	-0.042055	1.1842	-0.035512	0.9717

Number of observations: 228, Error degrees of freedom: 222

Root Mean Squared Error: 2.58

R-squared: 0.0151, Adjusted R-Squared: -0.00707

F-statistic vs. constant model: 0.681, p-value = 0.638

```
###10-beta_avg_power) mean_StanceDur
```

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	5.8279	2	2.9139	1.6243	0.19938
mean_StanceDur	0.28712	1	0.28712	0.16005	0.68949
group_char:mean_StanceDur	0.9801	2	0.49005	0.27317	0.76122
Error	398.26	222	1.7939		
Total	421.49	227			

Linear regression model:

```
beta_avg_power ~ 1 + group_char*mean_StanceDur
```

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	1.346	0.35505	3.7911	0.00019327
group_char_H2000's	0.90699	0.60822	1.4912	0.13733
group_char_H3000's	-0.32803	0.66256	-0.4951	0.62102
mean_StanceDur	0.082415	0.26321	0.31312	0.75449
group_char_H2000's:mean_StanceDur	-0.23548	0.52692	-0.4469	0.65538
group_char_H3000's:mean_StanceDur	0.2943	0.61392	0.47937	0.63215

Number of observations: 228, Error degrees of freedom: 222

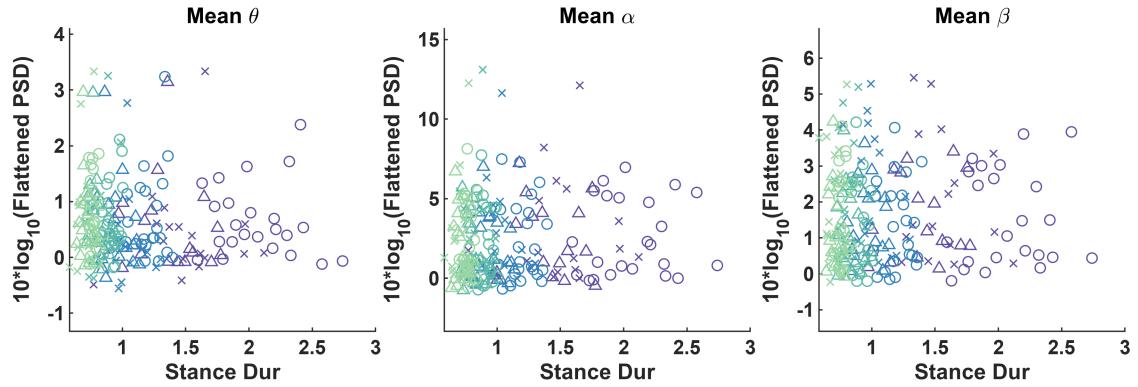
Root Mean Squared Error: 1.34

R-squared: 0.0551, Adjusted R-Squared: 0.0338

F-statistic vs. constant model: 2.59, p-value = 0.0267

## CL10: Precuneus\_L

○ YA    ✕ HO    ▲ FO  
 ○ 0.25    ○ 0.5    ○ 0.75    ○ 1



```

###10-theta_avg_power) mean_GaitCycleDur
      SumOfSquares      DF      MeanSquares      F      pValue
      _____      ____      _____      ____      _____

```

group_char	0.72186	2	0.36093	0.61293	0.54267
mean_GaitCycleDur	1.3413	1	1.3413	2.2778	0.13266
group_char:mean_GaitCycleDur	1.0038	2	0.50191	0.85235	0.4278
Error	130.73	222	0.58886		
Total	133.22	227			

Linear regression model:

```
theta_avg_power ~ 1 + group_char*mean_GaitCycleDur
```

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	0.72031	0.24316	2.9623	0.0033858
group_char_H2000's	0.02264	0.42438	0.053348	0.9575
group_char_H3000's	0.48165	0.45087	1.0683	0.28656
mean_GaitCycleDur	-0.019602	0.12578	-0.15584	0.8763
group_char_H2000's:mean_GaitCycleDur	-0.11891	0.25601	-0.46446	0.64277
group_char_H3000's:mean_GaitCycleDur	-0.37318	0.28899	-1.2913	0.19793

Number of observations: 228, Error degrees of freedom: 222

Root Mean Squared Error: 0.767

R-squared: 0.0187, Adjusted R-Squared: -0.0034

F-statistic vs. constant model: 0.846, p-value = 0.518

###10-alpha\_avg\_power) mean\_GaitCycleDur

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	0.13811	2	0.069056	0.01035	0.9897
mean_GaitCycleDur	1.763	1	1.763	0.26424	0.60774
group_char:mean_GaitCycleDur	0.73882	2	0.36941	0.055367	0.94615
Error	1481.2	222	6.672		
Total	1504.6	227			

Linear regression model:

```
alpha_avg_power ~ 1 + group_char*mean_GaitCycleDur
```

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	1.9837	0.81849	2.4237	0.016166
group_char_H2000's	0.19795	1.4285	0.13857	0.88991
group_char_H3000's	0.0091237	1.5177	0.0060116	0.99521
mean_GaitCycleDur	0.21014	0.42339	0.49632	0.62016
group_char_H2000's:mean_GaitCycleDur	0.19098	0.86176	0.22161	0.82482
group_char_H3000's:mean_GaitCycleDur	-0.1898	0.97276	-0.19511	0.84549

Number of observations: 228, Error degrees of freedom: 222

Root Mean Squared Error: 2.58

R-squared: 0.0156, Adjusted R-Squared: -0.00661

F-statistic vs. constant model: 0.702, p-value = 0.623

###10-beta\_avg\_power) mean\_GaitCycleDur

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	5.543	2	2.7715	1.5477	0.21502
mean_GaitCycleDur	0.50787	1	0.50787	0.28361	0.59488
group_char:mean_GaitCycleDur	1.4478	2	0.72392	0.40426	0.66796
Error	397.54	222	1.7907		
Total	421.49	227			

Linear regression model:

```
beta_avg_power ~ 1 + group_char*mean_GaitCycleDur
```

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	1.2732	0.42403	3.0026	0.0029835
group_char_H2000's	1.0441	0.74005	1.4108	0.1597
group_char_H3000's	-0.44326	0.78625	-0.56377	0.57348
mean_GaitCycleDur	0.095887	0.21934	0.43715	0.66243
group_char_H2000's:mean_GaitCycleDur	-0.2427	0.44645	-0.54361	0.58725
group_char_H3000's:mean_GaitCycleDur	0.29402	0.50396	0.58343	0.5602

Number of observations: 228, Error degrees of freedom: 222

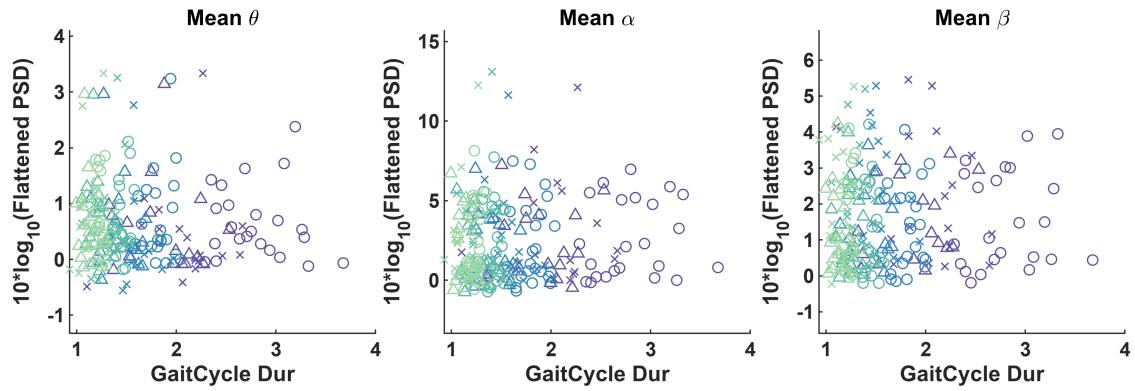
Root Mean Squared Error: 1.34

R-squared: 0.0568, Adjusted R-Squared: 0.0356

F-statistic vs. constant model: 2.67, p-value = 0.0227

## CL10: Precuneus\_L

○ YA    ✕ HO    ▲ FO  
 ○ 0.25    ○ 0.5    ○ 0.75    ○ 1



```

###10-theta_avg_power) mean_PeakUpDownVel_mean
SumOfSquares   DF      MeanSquares      F      pValue
-----  -----

```

group_char	1.7558	2	0.8779	1.5008	0.22519
mean_PeakUpDownVel_mean	1.3313	1	1.3313	2.2759	0.13282
group_char:mean_PeakUpDownVel_mean	1.0877	2	0.54383	0.92972	0.39619
Error	129.86	222	0.58493		
Total	133.22	227			

Linear regression model:

theta\_avg\_power ~ 1 + group\_char\*mean\_PeakUpDownVel\_mean

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	0.72767	0.19295	3.7713	0.00020832
group_char_H2000's	-0.46166	0.28382	-1.6266	0.10525
group_char_H3000's	-0.37037	0.29402	-1.2597	0.20911
mean_PeakUpDownVel_mean	-0.1819	0.74079	-0.24555	0.80625
group_char_H2000's:mean_PeakUpDownVel_mean	1.2198	1.0328	1.1811	0.23883
group_char_H3000's:mean_PeakUpDownVel_mean	1.2422	1.0467	1.1867	0.2366

Number of observations: 228, Error degrees of freedom: 222

Root Mean Squared Error: 0.765

R-squared: 0.0252, Adjusted R-Squared: 0.00328

F-statistic vs. constant model: 1.15, p-value = 0.335

###10-alpha\_avg\_power) mean\_PeakUpDownVel\_mean

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	6.5022	2	3.2511	0.48642	0.61548
mean_PeakUpDownVel_mean	0.044956	1	0.044956	0.0067262	0.93471
group_char:mean_PeakUpDownVel_mean	0.90076	2	0.45038	0.067385	0.93485
Error	1483.8	222	6.6837		
Total	1504.6	227			

Linear regression model:

alpha\_avg\_power ~ 1 + group\_char\*mean\_PeakUpDownVel\_mean

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	2.2496	0.65224	3.4491	0.00067297
group_char_H2000's	0.73709	0.95941	0.76827	0.44314
group_char_H3000's	-0.20953	0.99387	-0.21082	0.83322
mean_PeakUpDownVel_mean	0.49637	2.5041	0.19822	0.84305
group_char_H2000's:mean_PeakUpDownVel_mean	-1.2772	3.491	-0.36584	0.71483
group_char_H3000's:mean_PeakUpDownVel_mean	-0.56408	3.5382	-0.15942	0.87348

Number of observations: 228, Error degrees of freedom: 222

Root Mean Squared Error: 2.59

R-squared: 0.0138, Adjusted R-Squared: -0.00838

F-statistic vs. constant model: 0.623, p-value = 0.683

###10-beta\_avg\_power) mean\_PeakUpDownVel\_mean

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	6.835	2	3.4175	1.9068	0.15098
mean_PeakUpDownVel_mean	0.5548	1	0.5548	0.30956	0.57851
group_char:mean_PeakUpDownVel_mean	1.0028	2	0.5014	0.27976	0.75623
Error	397.88	222	1.7923		
Total	421.49	227			

Linear regression model:

beta\_avg\_power ~ 1 + group\_char\*mean\_PeakUpDownVel\_mean

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	1.3592	0.33775	4.0242	7.8421e-05
group_char_H2000's	0.94687	0.49682	1.9059	0.05796
group_char_H3000's	0.24147	0.51466	0.46919	0.63939
mean_PeakUpDownVel_mean	0.3755	1.2967	0.28958	0.77241
group_char_H2000's:mean_PeakUpDownVel_mean	-1.1842	1.8078	-0.65504	0.51312
group_char_H3000's:mean_PeakUpDownVel_mean	-1.1794	1.8322	-0.6437	0.52043

Number of observations: 228, Error degrees of freedom: 222

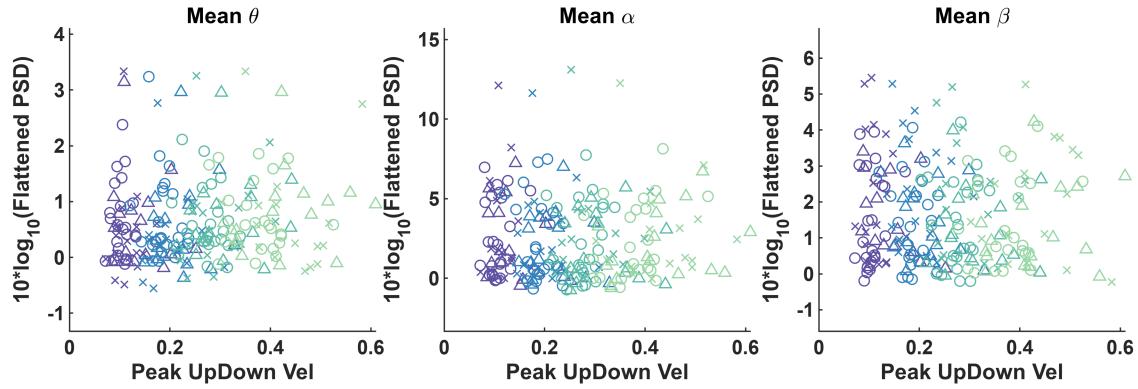
Root Mean Squared Error: 1.34

R-squared: 0.056, Adjusted R-Squared: 0.0347

F-statistic vs. constant model: 2.63, p-value = 0.0245

## CL10: Precuneus\_L

○ YA    ✕ HO    △ FO  
 ○ 0.25    ○ 0.5    ○ 0.75    ○ 1



```

###11-theta_avg_power) mean_APexc_COV
      SumOfSquares      DF      MeanSquares      F      pValue

```

---

group_char	1.6675	2	0.83377	2.9605	0.053643
mean_APexc_COV	0.75771	1	0.75771	2.6904	0.10223
group_char:mean_APexc_COV	0.64944	2	0.32472	1.153	0.31739
Error	69.282	246	0.28163		
Total	76.488	251			

Linear regression model:

theta\_avg\_power ~ 1 + group\_char\*mean\_APexc\_COV

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	0.69399	0.20753	3.344	0.0009547
group_char_H2000's	-0.55083	0.3714	-1.4831	0.13932
group_char_H3000's	0.39718	0.31703	1.2528	0.21146
mean_APexc_COV	-0.020995	0.012694	-1.6539	0.099425
group_char_H2000's:mean_APexc_COV	0.025917	0.019195	1.3502	0.17819
group_char_H3000's:mean_APexc_COV	0.0020899	0.015731	0.13285	0.89442

Number of observations: 252, Error degrees of freedom: 246

Root Mean Squared Error: 0.531

R-squared: 0.0942, Adjusted R-Squared: 0.0758

F-statistic vs. constant model: 5.12, p-value = 0.000175

##11-alpha\_avg\_power) mean\_APexc\_COV

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	42.923	2	21.462	3.9255	0.020981
mean_APexc_COV	23.925	1	23.925	4.3761	0.037471
group_char:mean_APexc_COV	41.224	2	20.612	3.7701	0.024392
Error	1344.9	246	5.4672		
Total	1418.1	251			

Linear regression model:

alpha\_avg\_power ~ 1 + group\_char\*mean\_APexc\_COV

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	3.1892	0.91439	3.4878	0.00057671
group_char_H2000's	3.6051	1.6364	2.2031	0.028514
group_char_H3000's	-1.1249	1.3968	-0.80537	0.42139
mean_APexc_COV	-0.012692	0.055931	-0.22692	0.82068
group_char_H2000's:mean_APexc_COV	-0.18063	0.084572	-2.1359	0.033679
group_char_H3000's:mean_APexc_COV	0.022155	0.069311	0.31964	0.74951

Number of observations: 252, Error degrees of freedom: 246

Root Mean Squared Error: 2.34

R-squared: 0.0516, Adjusted R-Squared: 0.0323

F-statistic vs. constant model: 2.68, p-value = 0.0224

##11-beta\_avg\_power) mean\_APexc\_COV

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	22.081	2	11.041	7.8334	0.00050344
mean_APexc_COV	6.3222	1	6.3222	4.4856	0.035184
group_char:mean_APexc_COV	15.342	2	7.6711	5.4427	0.0048649
Error	346.72	246	1.4094		
Total	382.5	251			

Linear regression model:

beta\_avg\_power ~ 1 + group\_char\*mean\_APexc\_COV

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	1.6055	0.46427	3.4581	0.00064098
group_char_H2000's	2.6051	0.83084	3.1355	0.0019239
group_char_H3000's	-0.78096	0.70921	-1.1012	0.2719
mean_APexc_COV	-0.003481	0.028398	-0.12258	0.90254
group_char_H2000's:mean_APexc_COV	-0.10752	0.04294	-2.5038	0.012935
group_char_H3000's:mean_APexc_COV	0.01692	0.035192	0.48078	0.6311

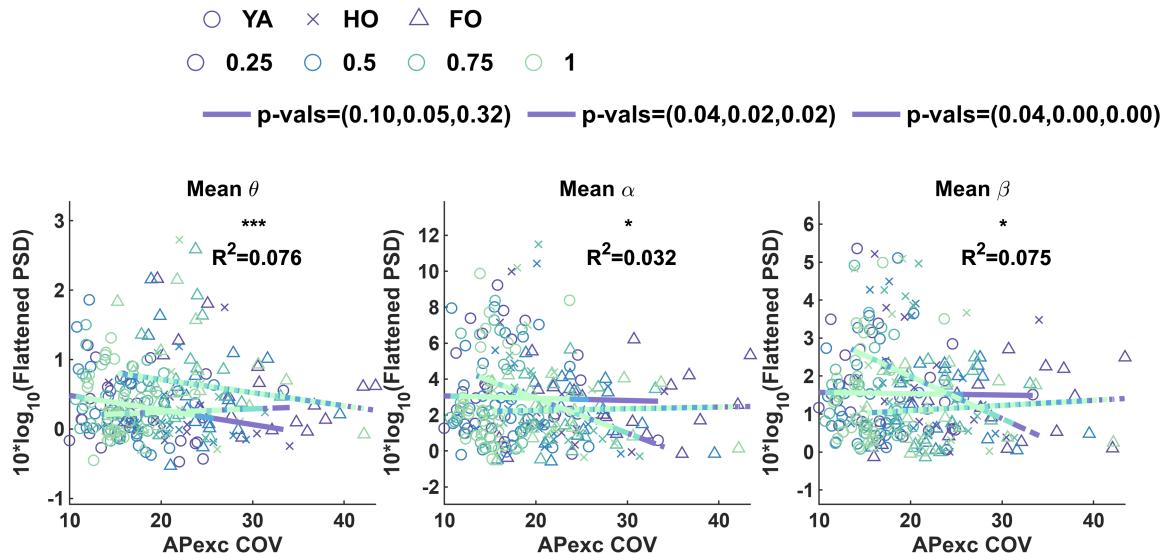
Number of observations: 252, Error degrees of freedom: 246

Root Mean Squared Error: 1.19

R-squared: 0.0935, Adjusted R-Squared: 0.0751

F-statistic vs. constant model: 5.08, p-value = 0.00019

## CL11: Calcarine\_L



##11-theta_avg_power) mean_APexc_mean	SumOfSquares	DF	MeanSquares	F	pValue

group_char	2.5214	2	1.2607	4.4042	0.013205
mean_APexc_mean	0.0087638	1	0.0087638	0.030615	0.86125
group_char:mean_APexc_mean	0.79497	2	0.39748	1.3886	0.25138
Error	70.419	246	0.28626		
Total	76.488	251			

Linear regression model:

theta\_avg\_power ~ 1 + group\_char\*mean\_APexc\_mean

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	0.42847	0.18131	2.3632	0.018897
group_char_H2000's	-0.39893	0.2725	-1.464	0.14448
group_char_H3000's	0.38294	0.24805	1.5438	0.12393
mean_APexc_mean	-1.2449	3.1967	-0.38942	0.6973
group_char_H2000's:mean_APexc_mean	5.9958	5.2807	1.1354	0.2573
group_char_H3000's:mean_APexc_mean	-3.4016	4.9811	-0.6829	0.49531

Number of observations: 252, Error degrees of freedom: 246

Root Mean Squared Error: 0.535

R-squared: 0.0793, Adjusted R-Squared: 0.0606

F-statistic vs. constant model: 4.24, p-value = 0.00102

##11-alpha\_avg\_power) mean\_APexc\_mean

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	35.933	2	17.967	3.2289	0.041285
mean_APexc_mean	3.6165	1	3.6165	0.64996	0.42091
group_char:mean_APexc_mean	24.493	2	12.246	2.2009	0.11288
Error	1368.8	246	5.5643		
Total	1418.1	251			

Linear regression model:

alpha\_avg\_power ~ 1 + group\_char\*mean\_APexc\_mean

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	3.579	0.79938	4.4773	1.1573e-05
group_char_H2000's	0.6398	1.2014	0.53255	0.59483
group_char_H3000's	-2.0911	1.0936	-1.9121	0.057022
mean_APexc_mean	-10.842	14.094	-0.76924	0.44249
group_char_H2000's:mean_APexc_mean	-21.156	23.282	-0.9087	0.3644
group_char_H3000's:mean_APexc_mean	30.515	21.961	1.3895	0.16594

Number of observations: 252, Error degrees of freedom: 246

Root Mean Squared Error: 2.36

R-squared: 0.0347, Adjusted R-Squared: 0.0151

F-statistic vs. constant model: 1.77, p-value = 0.119

##11-beta\_avg\_power) mean\_APexc\_mean

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	13.607	2	6.8037	4.6696	0.010222
mean_APexc_mean	0.47418	1	0.47418	0.32545	0.56887
group_char:mean_APexc_mean	5.4013	2	2.7006	1.8536	0.15886
Error	358.42	246	1.457		
Total	382.5	251			

Linear regression model:

beta\_avg\_power ~ 1 + group\_char\*mean\_APexc\_mean

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	1.6375	0.40905	4.0032	8.2778e-05
group_char_H2000's	0.97386	0.61477	1.5841	0.11445
group_char_H3000's	-0.84675	0.55962	-1.5131	0.13155
mean_APexc_mean	-1.6008	7.212	-0.22196	0.82453
group_char_H2000's:mean_APexc_mean	-14.122	11.914	-1.1854	0.23702
group_char_H3000's:mean_APexc_mean	10.536	11.238	0.93756	0.34939

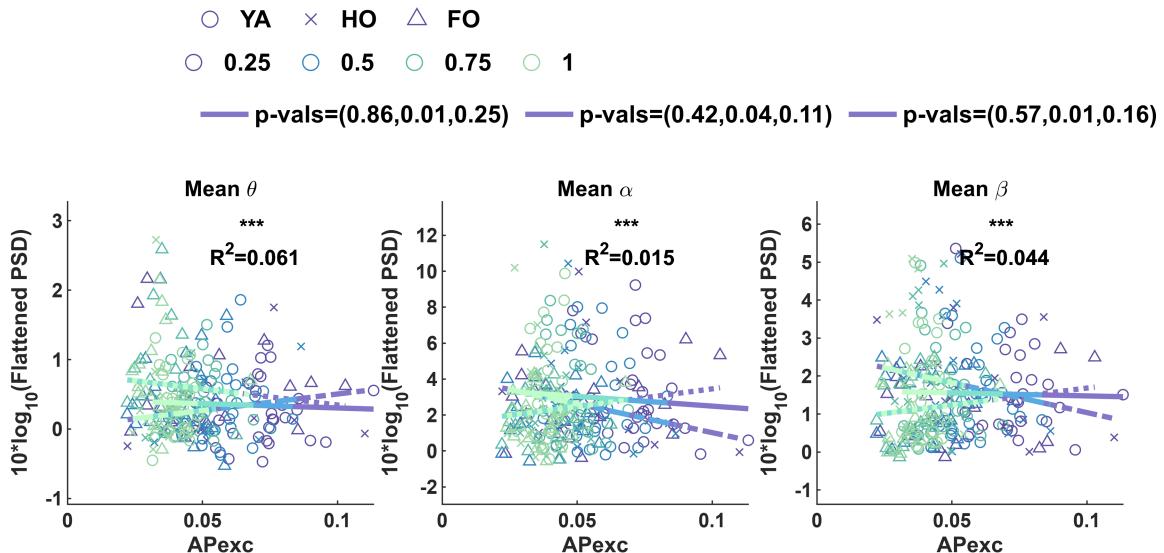
Number of observations: 252, Error degrees of freedom: 246

Root Mean Squared Error: 1.21

R-squared: 0.0629, Adjusted R-Squared: 0.0439

F-statistic vs. constant model: 3.3, p-value = 0.0066

## CL11: Calcarine\_L



```
###11-theta_avg_power) mean_MLexc_COV
SumOfSquares      DF      MeanSquares      F      pValue
_____
```

group_char	1.4715	2	0.73577	2.5645	0.079014
mean_MLexc_COV	0.38137	1	0.38137	1.3293	0.25006
group_char:mean_MLexc_COV	0.27947	2	0.13974	0.48705	0.61503
Error	70.579	246	0.28691		
Total	76.488	251			

Linear regression model:

theta\_avg\_power ~ 1 + group\_char\*mean\_MLexc\_COV

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	0.26336	0.14676	1.7945	0.073967
group_char_H2000's	-0.27146	0.24743	-1.0971	0.27366
group_char_H3000's	0.36188	0.24673	1.4667	0.14373
mean_MLexc_COV	0.0067241	0.0095514	0.704	0.4821
group_char_H2000's:mean_MLexc_COV	0.010725	0.016002	0.67027	0.50332
group_char_H3000's:mean_MLexc_COV	-0.0071189	0.016142	-0.44102	0.65958

Number of observations: 252, Error degrees of freedom: 246

Root Mean Squared Error: 0.536

R-squared: 0.0773, Adjusted R-Squared: 0.0585

F-statistic vs. constant model: 4.12, p-value = 0.00131

##11-alpha\_avg\_power) mean\_MLexc\_COV

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	36.663	2	18.332	3.4037	0.034824
mean_MLexc_COV	34.345	1	34.345	6.3769	0.012191
group_char:mean_MLexc_COV	24.102	2	12.051	2.2376	0.10889
Error	1324.9	246	5.3858		
Total	1418.1	251			

Linear regression model:

alpha\_avg\_power ~ 1 + group\_char\*mean\_MLexc\_COV

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	4.6773	0.63587	7.3557	2.822e-12
group_char_H2000's	-0.0734	1.072	-0.068468	0.94547
group_char_H3000's	-2.6346	1.069	-2.4646	0.0144
mean_MLexc_COV	-0.11688	0.041383	-2.8243	0.0051269
group_char_H2000's:mean_MLexc_COV	-0.0096831	0.069329	-0.13967	0.88904
group_char_H3000's:mean_MLexc_COV	0.13466	0.069937	1.9254	0.055326

Number of observations: 252, Error degrees of freedom: 246

Root Mean Squared Error: 2.32

R-squared: 0.0657, Adjusted R-Squared: 0.0467

F-statistic vs. constant model: 3.46, p-value = 0.00486

##11-beta\_avg\_power) mean\_MLexc\_COV

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	11.177	2	5.5887	3.8967	0.021574
mean_MLexc_COV	6.9478	1	6.9478	4.8444	0.028666
group_char:mean_MLexc_COV	4.3524	2	2.1762	1.5174	0.22133
Error	352.81	246	1.4342		
Total	382.5	251			

Linear regression model:

beta\_avg\_power ~ 1 + group\_char\*mean\_MLexc\_COV

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	1.9267	0.32813	5.8717	1.3904e-08
group_char_H2000's	1.0213	0.5532	1.8461	0.066077
group_char_H3000's	-0.72157	0.55163	-1.3081	0.19207
mean_MLexc_COV	-0.026045	0.021355	-1.2196	0.22378
group_char_H2000's:mean_MLexc_COV	-0.046273	0.035776	-1.2934	0.19709
group_char_H3000's:mean_MLexc_COV	0.022915	0.03609	0.63494	0.52606

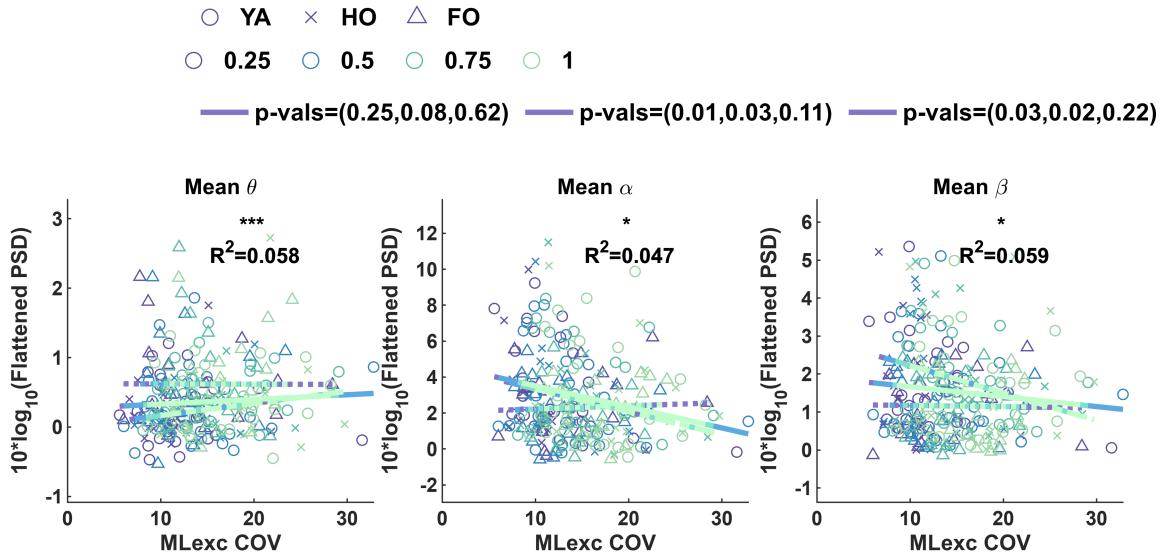
Number of observations: 252, Error degrees of freedom: 246

Root Mean Squared Error: 1.2

R-squared: 0.0776, Adjusted R-Squared: 0.0589

F-statistic vs. constant model: 4.14, p-value = 0.00125

## CL11: Calcarine\_L



```
###11-theta_avg_power) mean_MLexc_mean
SumOfSquares      DF      MeanSquares      F      pValue
_____           _____           _____           _____
```

group_char	1.3005	2	0.65025	2.2507	0.10749
mean_MLexc_mean	0.038465	1	0.038465	0.13314	0.71552
group_char:mean_MLexc_mean	0.13718	2	0.068591	0.23741	0.78885
Error	71.073	246	0.28891		
Total	76.488	251			

Linear regression model:

theta\_avg\_power ~ 1 + group\_char\*mean\_MLexc\_mean

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	0.43801	0.15466	2.8321	0.0050073
group_char_H2000's	-0.24679	0.23041	-1.0711	0.28519
group_char_H3000's	0.25041	0.22307	1.1226	0.26271
mean_MLexc_mean	-0.9721	1.8375	-0.52903	0.59726
group_char_H2000's:mean_MLexc_mean	1.6092	2.5872	0.62199	0.53452
group_char_H3000's:mean_MLexc_mean	0.17324	2.5177	0.068811	0.9452

Number of observations: 252, Error degrees of freedom: 246

Root Mean Squared Error: 0.538

R-squared: 0.0708, Adjusted R-Squared: 0.0519

F-statistic vs. constant model: 3.75, p-value = 0.00274

##11-alpha\_avg\_power) mean\_MLexc\_mean

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	28.756	2	14.378	2.582	0.077674
mean_MLexc_mean	0.22823	1	0.22823	0.040984	0.83974
group_char:mean_MLexc_mean	26.276	2	13.138	2.3593	0.09662
Error	1369.9	246	5.5687		
Total	1418.1	251			

Linear regression model:

alpha\_avg\_power ~ 1 + group\_char\*mean\_MLexc\_mean

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	2.5483	0.67899	3.7531	0.00021795
group_char_H2000's	1.4946	1.0116	1.4775	0.14083
group_char_H3000's	-0.82323	0.97933	-0.84061	0.40139
mean_MLexc_mean	5.5148	8.0673	0.6836	0.49487
group_char_H2000's:mean_MLexc_mean	-20.461	11.359	-1.8013	0.072876
group_char_H3000's:mean_MLexc_mean	1.1545	11.053	0.10445	0.9169

Number of observations: 252, Error degrees of freedom: 246

Root Mean Squared Error: 2.36

R-squared: 0.034, Adjusted R-Squared: 0.0143

F-statistic vs. constant model: 1.73, p-value = 0.128

##11-beta\_avg\_power) mean\_MLexc\_mean

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	12.188	2	6.0939	4.1753	0.016474
mean_MLexc_mean	1.0979	1	1.0979	0.75226	0.38661
group_char:mean_MLexc_mean	4.065	2	2.0325	1.3926	0.25039
Error	359.04	246	1.4595		
Total	382.5	251			

Linear regression model:

beta\_avg\_power ~ 1 + group\_char\*mean\_MLexc\_mean

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	1.5795	0.34761	4.5438	8.6643e-06
group_char_H2000's	0.94809	0.51788	1.8307	0.068353
group_char_H3000's	-0.56505	0.50137	-1.127	0.26084
mean_MLexc_mean	-0.36776	4.1301	-0.089044	0.92912
group_char_H2000's:mean_MLexc_mean	-7.0072	5.8151	-1.205	0.22936
group_char_H3000's:mean_MLexc_mean	2.0528	5.6588	0.36276	0.7171

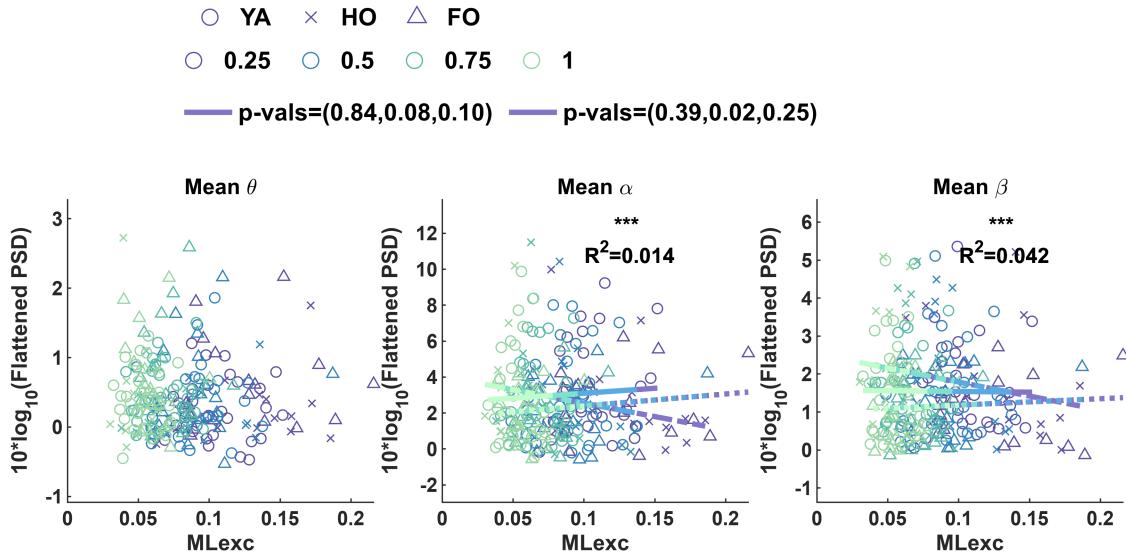
Number of observations: 252, Error degrees of freedom: 246

Root Mean Squared Error: 1.21

R-squared: 0.0613, Adjusted R-Squared: 0.0422

F-statistic vs. constant model: 3.21, p-value = 0.00789

## CL11: Calcarine\_L



```
###11-theta_avg_power) mean_StepDur
SumOfSquares      DF      MeanSquares      F      pValue
_____          _____          _____          _____
```

group_char	0.98742	2	0.49371	1.7103	0.18296
mean_StepDur	0.022263	1	0.022263	0.07712	0.78147
group_char:mean_StepDur	0.19335	2	0.096675	0.33489	0.71574
Error	71.014	246	0.28867		
Total	76.488	251			

Linear regression model:

theta\_avg\_power ~ 1 + group\_char\*mean\_StepDur

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	0.42606	0.15209	2.8015	0.0054917
group_char_H2000's	-0.29364	0.28474	-1.0313	0.30343
group_char_H3000's	0.33598	0.28522	1.178	0.23994
mean_StepDur	-0.072147	0.15826	-0.45587	0.64889
group_char_H2000's:mean_StepDur	0.21845	0.3369	0.64841	0.51733
group_char_H3000's:mean_StepDur	-0.13462	0.37361	-0.36033	0.71891

Number of observations: 252, Error degrees of freedom: 246

Root Mean Squared Error: 0.537

R-squared: 0.0716, Adjusted R-Squared: 0.0527

F-statistic vs. constant model: 3.79, p-value = 0.00251

###11-alpha\_avg\_power) mean\_StepDur

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	6.723	2	3.3615	0.5949	0.55241
mean_StepDur	3.5088	1	3.5088	0.62097	0.43145
group_char:mean_StepDur	2.8953	2	1.4477	0.2562	0.77419
Error	1390	246	5.6505		
Total	1418.1	251			

Linear regression model:

alpha\_avg\_power ~ 1 + group\_char\*mean\_StepDur

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	2.6357	0.67286	3.9172	0.00011613
group_char_H2000's	0.17497	1.2598	0.13889	0.88965
group_char_H3000's	-1.2588	1.2619	-0.99754	0.31948
mean_StepDur	0.38769	0.70019	0.5537	0.58029
group_char_H2000's:mean_StepDur	-0.45016	1.4905	-0.30202	0.7629
group_char_H3000's:mean_StepDur	0.95194	1.6529	0.57591	0.5652

Number of observations: 252, Error degrees of freedom: 246

Root Mean Squared Error: 2.38

R-squared: 0.0198, Adjusted R-Squared: -0.000137

F-statistic vs. constant model: 0.993, p-value = 0.423

###11-beta\_avg\_power) mean\_StepDur

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	3.8021	2	1.901	1.2876	0.27778
mean_StepDur	0.011992	1	0.011992	0.0081226	0.92826
group_char:mean_StepDur	0.78186	2	0.39093	0.26479	0.76759
Error	363.19	246	1.4764		
Total	382.5	251			

Linear regression model:

beta\_avg\_power ~ 1 + group\_char\*mean\_StepDur

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	1.4202	0.34394	4.1292	4.9887e-05
group_char_H2000's	0.74798	0.64395	1.1616	0.24654
group_char_H3000's	-0.47125	0.64502	-0.73059	0.46573
mean_StepDur	0.14317	0.35791	0.40001	0.6895
group_char_H2000's:mean_StepDur	-0.49482	0.7619	-0.64945	0.51665
group_char_H3000's:mean_StepDur	0.16265	0.84491	0.19251	0.84751

Number of observations: 252, Error degrees of freedom: 246

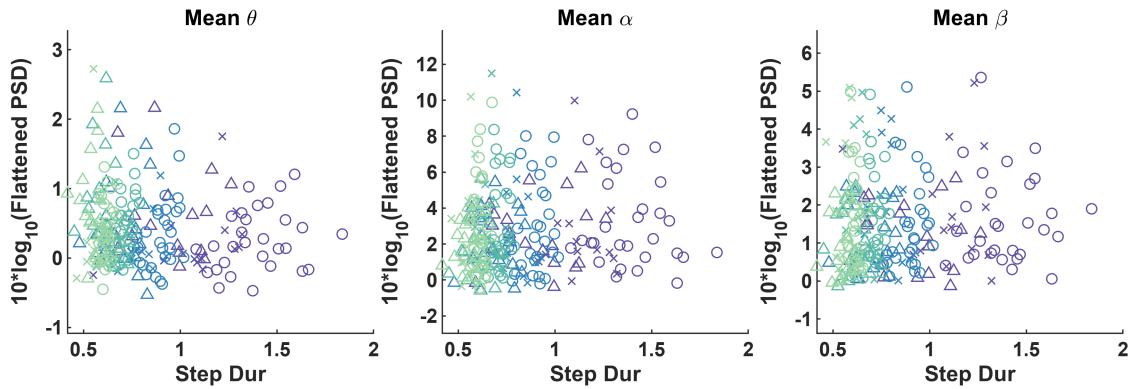
Root Mean Squared Error: 1.22

R-squared: 0.0505, Adjusted R-Squared: 0.0312

F-statistic vs. constant model: 2.61, p-value = 0.0252

## CL11: Calcarine\_L

○ YA    ✕ HO    △ FO  
 ○ 0.25    ○ 0.5    ○ 0.75    ○ 1



```

###11-theta_avg_power) mean_UDexc_COV
      SumOfSquares      DF      MeanSquares      F      pValue

```

group_char	1.242	2	0.62098	2.1839	0.11478
mean_UDexc_COV	0.76285	1	0.76285	2.6828	0.10271
group_char:mean_UDexc_COV	0.31368	2	0.15684	0.55158	0.57675
Error	69.949	246	0.28435		
Total	76.488	251			

Linear regression model:

theta\_avg\_power ~ 1 + group\_char\*mean\_UDexc\_COV

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	0.57848	0.12574	4.6007	6.7444e-06
group_char_H2000's	-0.30732	0.21493	-1.4299	0.15402
group_char_H3000's	0.21104	0.22012	0.95877	0.33862
mean_UDexc_COV	-0.017317	0.0091844	-1.8854	0.060549
group_char_H2000's:mean_UDexc_COV	0.015488	0.014755	1.0497	0.29487
group_char_H3000's:mean_UDexc_COV	0.0055168	0.014952	0.36896	0.71247

Number of observations: 252, Error degrees of freedom: 246

Root Mean Squared Error: 0.533

R-squared: 0.0855, Adjusted R-Squared: 0.0669

F-statistic vs. constant model: 4.6, p-value = 0.000497

##11-alpha\_avg\_power) mean\_UDexc\_COV

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	13.365	2	6.6825	1.19	0.30596
mean_UDexc_COV	5.7794	1	5.7794	1.0292	0.31135
group_char:mean_UDexc_COV	5.7973	2	2.8986	0.51619	0.59744
Error	1381.4	246	5.6155		
Total	1418.1	251			

Linear regression model:

alpha\_avg\_power ~ 1 + group\_char\*mean\_UDexc\_COV

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	3.8033	0.55877	6.8065	7.5862e-11
group_char_H2000's	-0.7891	0.95513	-0.82617	0.40951
group_char_H3000's	-1.4713	0.9782	-1.5041	0.13385
mean_UDexc_COV	-0.064812	0.040815	-1.5879	0.11358
group_char_H2000's:mean_UDexc_COV	0.046647	0.065569	0.71141	0.4775
group_char_H3000's:mean_UDexc_COV	0.062616	0.066448	0.94233	0.34695

Number of observations: 252, Error degrees of freedom: 246

Root Mean Squared Error: 2.37

R-squared: 0.0259, Adjusted R-Squared: 0.00605

F-statistic vs. constant model: 1.31, p-value = 0.262

##11-beta\_avg\_power) mean\_UDexc\_COV

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	7.4356	2	3.7178	2.5415	0.080818
mean_UDexc_COV	1.698	1	1.698	1.1608	0.28236
group_char:mean_UDexc_COV	1.9041	2	0.95203	0.6508	0.52252
Error	359.86	246	1.4629		
Total	382.5	251			

Linear regression model:

beta\_avg\_power ~ 1 + group\_char\*mean\_UDexc\_COV

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	1.8812	0.28519	6.5961	2.5643e-10
group_char_H2000's	0.40885	0.48749	0.83868	0.40246
group_char_H3000's	-0.84483	0.49927	-1.6922	0.091883
mean_UDexc_COV	-0.0263	0.020832	-1.2625	0.20797
group_char_H2000's:mean_UDexc_COV	-0.002137	0.033466	-0.063855	0.94914
group_char_H3000's:mean_UDexc_COV	0.034869	0.033915	1.0281	0.3049

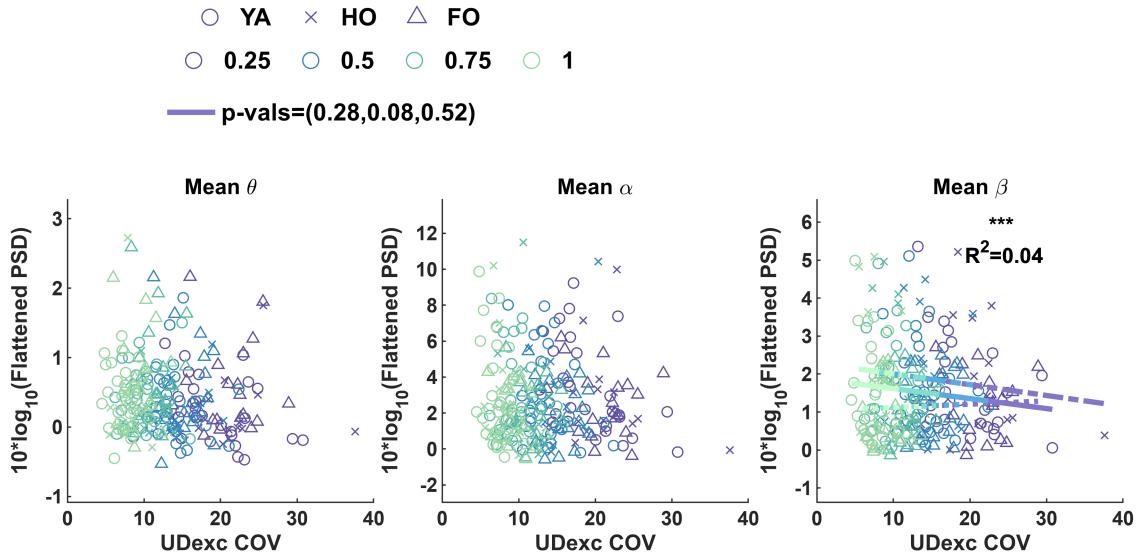
Number of observations: 252, Error degrees of freedom: 246

Root Mean Squared Error: 1.21

R-squared: 0.0592, Adjusted R-Squared: 0.04

F-statistic vs. constant model: 3.09, p-value = 0.00996

## CL11: Calcarine\_L



```
###11-theta_avg_power) mean_UDexc_mean
SumOfSquares      DF      MeanSquares      F      pValue
_____           _____           _____           _____
```

group_char	2.2835	2	1.1418	3.9752	0.019993
mean_UDexc_mean	0.073411	1	0.073411	0.25559	0.61362
group_char:mean_UDexc_mean	0.57698	2	0.28849	1.0044	0.36775
Error	70.656	246	0.28722		
Total	76.488	251			

Linear regression model:

theta\_avg\_power ~ 1 + group\_char\*mean\_UDexc\_mean

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	0.3378	0.14942	2.2607	0.024652
group_char_H2000's	-0.31045	0.24274	-1.2789	0.20212
group_char_H3000's	0.39668	0.22439	1.7678	0.078329
mean_UDexc_mean	0.95814	5.9294	0.16159	0.87176
group_char_H2000's:mean_UDexc_mean	8.5376	9.7597	0.87478	0.38255
group_char_H3000's:mean_UDexc_mean	-5.5583	8.6008	-0.64625	0.51872

Number of observations: 252, Error degrees of freedom: 246

Root Mean Squared Error: 0.536

R-squared: 0.0762, Adjusted R-Squared: 0.0575

F-statistic vs. constant model: 4.06, p-value = 0.00147

##11-alpha\_avg\_power) mean\_UDexc\_mean

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	4.6977	2	2.3488	0.41811	0.65876
mean_UDexc_mean	14.062	1	14.062	2.5031	0.11491
group_char:mean_UDexc_mean	1.198	2	0.59902	0.10663	0.8989
Error	1382	246	5.6178		
Total	1418.1	251			

Linear regression model:

alpha\_avg\_power ~ 1 + group\_char\*mean\_UDexc\_mean

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	3.552	0.66083	5.3751	1.7768e-07
group_char_H2000's	0.099061	1.0735	0.092277	0.92655
group_char_H3000's	-0.78596	0.99237	-0.792	0.42912
mean_UDexc_mean	-23.75	26.223	-0.90568	0.36599
group_char_H2000's:mean_UDexc_mean	-14.883	43.163	-0.34481	0.73053
group_char_H3000's:mean_UDexc_mean	5.1169	38.038	0.13452	0.8931

Number of observations: 252, Error degrees of freedom: 246

Root Mean Squared Error: 2.37

R-squared: 0.0255, Adjusted R-Squared: 0.00565

F-statistic vs. constant model: 1.29, p-value = 0.271

##11-beta\_avg\_power) mean\_UDexc\_mean

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	1.9753	2	0.98764	0.67168	0.51178
mean_UDexc_mean	1.9633	1	1.9633	1.3352	0.249
group_char:mean_UDexc_mean	0.08379	2	0.041895	0.028492	0.97191
Error	361.72	246	1.4704		
Total	382.5	251			

Linear regression model:

beta\_avg\_power ~ 1 + group\_char\*mean\_UDexc\_mean

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	1.8472	0.33809	5.4637	1.141e-07
group_char_H2000's	0.21474	0.54922	0.39099	0.69614
group_char_H3000's	-0.4239	0.5077	-0.83494	0.40456
mean_UDexc_mean	-12.5	13.416	-0.93171	0.3524
group_char_H2000's:mean_UDexc_mean	5.2714	22.083	0.23871	0.81153
group_char_H3000's:mean_UDexc_mean	1.9552	19.46	0.10047	0.92005

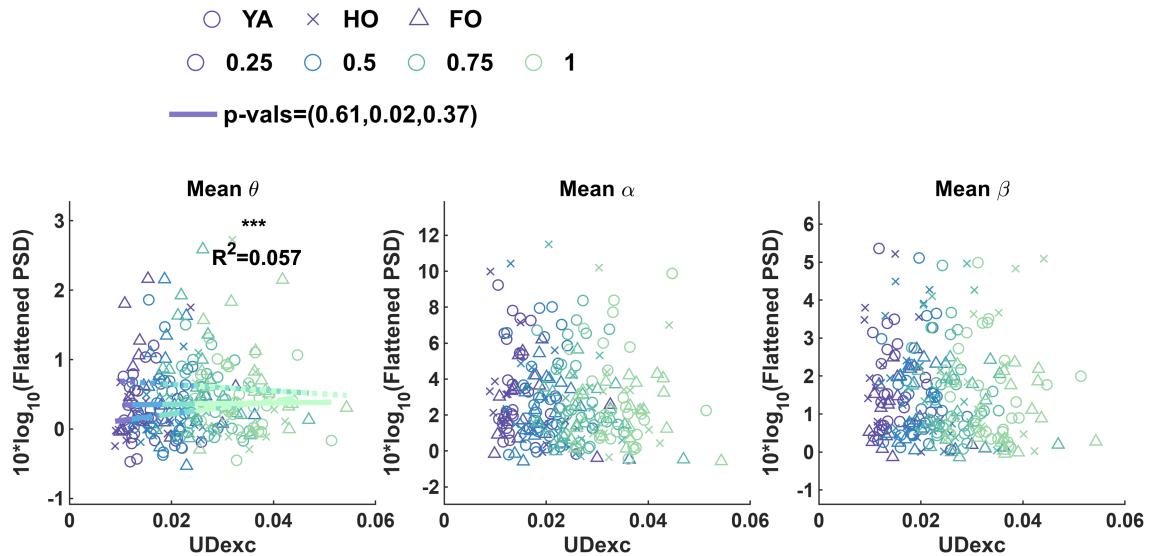
Number of observations: 252, Error degrees of freedom: 246

Root Mean Squared Error: 1.21

R-squared: 0.0543, Adjusted R-Squared: 0.0351

F-statistic vs. constant model: 2.83, p-value = 0.0168

## CL11: Calcarine\_L



```
###11-theta_avg_power) mean_StanceDur
SumOfSquares      DF      MeanSquares      F      pValue
_____          _____          _____          _____
```

group_char	1.3588	2	0.6794	2.3559	0.096942
mean_StanceDur	0.04403	1	0.04403	0.15268	0.69633
group_char:mean_StanceDur	0.24598	2	0.12299	0.42648	0.65328
Error	70.942	246	0.28838		
Total	76.488	251			

Linear regression model:

```
theta_avg_power ~ 1 + group_char*mean_StanceDur
```

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	0.41977	0.12754	3.2912	0.0011438
group_char_H2000's	-0.26758	0.23439	-1.1416	0.25472
group_char_H3000's	0.34465	0.23985	1.4369	0.15201
mean_StanceDur	-0.047843	0.094869	-0.50431	0.6145
group_char_H2000's:mean_StanceDur	0.13756	0.20024	0.68698	0.49274
group_char_H3000's:mean_StanceDur	-0.10624	0.22664	-0.46877	0.63965

Number of observations: 252, Error degrees of freedom: 246

Root Mean Squared Error: 0.537

R-squared: 0.0725, Adjusted R-Squared: 0.0537

F-statistic vs. constant model: 3.85, p-value = 0.00225

```
###11-alpha_avg_power) mean_StanceDur
```

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	7.2672	2	3.6336	0.64325	0.52646
mean_StanceDur	3.4955	1	3.4955	0.61882	0.43224
group_char:mean_StanceDur	2.8345	2	1.4172	0.25089	0.7783
Error	1389.6	246	5.6488		
Total	1418.1	251			

Linear regression model:

```
alpha_avg_power ~ 1 + group_char*mean_StanceDur
```

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	2.6457	0.56448	4.6869	4.5954e-06
group_char_H2000's	0.18219	1.0374	0.17562	0.86073
group_char_H3000's	-1.0847	1.0615	-1.0218	0.30787
mean_StanceDur	0.27638	0.41987	0.65825	0.51099
group_char_H2000's:mean_StanceDur	-0.33923	0.88624	-0.38277	0.70222
group_char_H3000's:mean_StanceDur	0.50986	1.0031	0.5083	0.6117

Number of observations: 252, Error degrees of freedom: 246

Root Mean Squared Error: 2.38

R-squared: 0.0201, Adjusted R-Squared: 0.000168

F-statistic vs. constant model: 1.01, p-value = 0.413

```
###11-beta_avg_power) mean_StanceDur
```

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	4.3526	2	2.1763	1.4742	0.23098
mean_StanceDur	0.0026922	1	0.0026922	0.0018237	0.96597
group_char:mean_StanceDur	0.82426	2	0.41213	0.27917	0.75665
Error	363.16	246	1.4763		
Total	382.5	251			

Linear regression model:

```
beta_avg_power ~ 1 + group_char*mean_StanceDur
```

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	1.4151	0.28857	4.904	1.7077e-06
group_char_H2000's	0.7161	0.53032	1.3503	0.17815
group_char_H3000's	-0.33895	0.54268	-0.62458	0.53283
mean_StanceDur	0.10914	0.21465	0.50845	0.61159
group_char_H2000's:mean_StanceDur	-0.3349	0.45306	-0.73919	0.46049
group_char_H3000's:mean_StanceDur	-0.02026	0.51278	-0.03951	0.96852

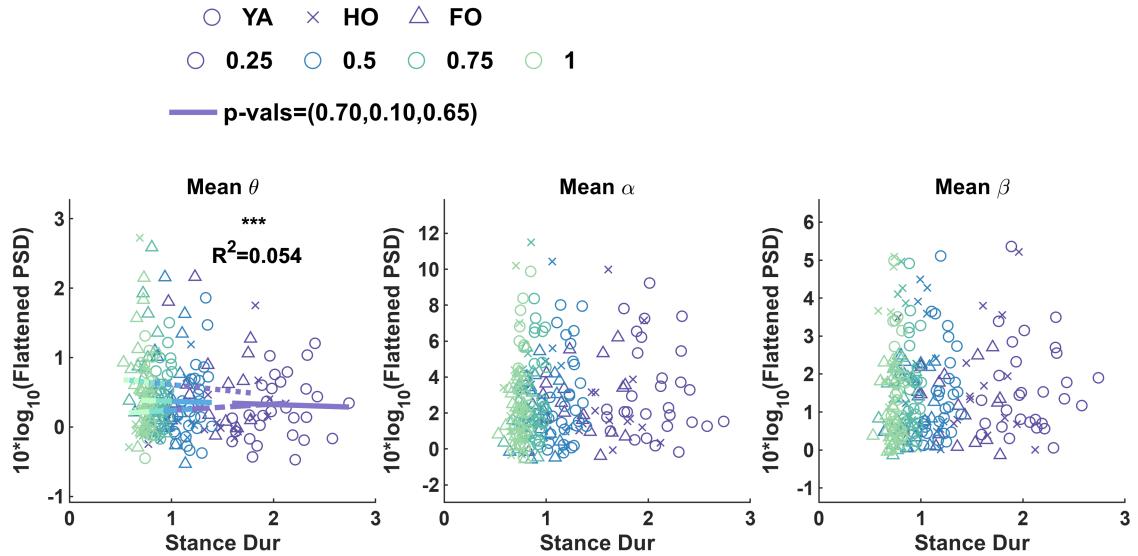
Number of observations: 252, Error degrees of freedom: 246

Root Mean Squared Error: 1.22

R-squared: 0.0506, Adjusted R-Squared: 0.0313

F-statistic vs. constant model: 2.62, p-value = 0.0249

## CL11: Calcarine\_L



```
###11-theta_avg_power) mean_GaitCycleDur
SumOfSquares      DF      MeanSquares      F      pValue
_____           _____           _____           _____
```

group_char	0.99349	2	0.49675	1.7208	0.18107
mean_GaitCycleDur	0.019131	1	0.019131	0.066271	0.79706
group_char:mean_GaitCycleDur	0.19762	2	0.098808	0.34229	0.71048
Error	71.013	246	0.28867		
Total	76.488	251			

Linear regression model:

theta\_avg\_power ~ 1 + group\_char\*mean\_GaitCycleDur

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	0.42586	0.15199	2.8019	0.0054841
group_char_H2000's	-0.2975	0.28395	-1.0477	0.29579
group_char_H3000's	0.33303	0.28506	1.1683	0.24382
mean_GaitCycleDur	-0.035942	0.079036	-0.45476	0.64968
group_char_H2000's:mean_GaitCycleDur	0.11164	0.16776	0.6655	0.50636
group_char_H3000's:mean_GaitCycleDur	-0.065136	0.18665	-0.34897	0.72741

Number of observations: 252, Error degrees of freedom: 246

Root Mean Squared Error: 0.537

R-squared: 0.0716, Adjusted R-Squared: 0.0527

F-statistic vs. constant model: 3.79, p-value = 0.0025

###11-alpha\_avg\_power) mean\_GaitCycleDur

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	6.8142	2	3.4071	0.603	0.54798
mean_GaitCycleDur	3.4706	1	3.4706	0.61424	0.43395
group_char:mean_GaitCycleDur	2.9813	2	1.4907	0.26382	0.76833
Error	1390	246	5.6503		
Total	1418.1	251			

Linear regression model:

alpha\_avg\_power ~ 1 + group\_char\*mean\_GaitCycleDur

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	2.6347	0.67242	3.9182	0.00011564
group_char_H2000's	0.18973	1.2562	0.15103	0.88007
group_char_H3000's	-1.2604	1.2611	-0.9994	0.31858
mean_GaitCycleDur	0.19432	0.34967	0.55573	0.5789
group_char_H2000's:mean_GaitCycleDur	-0.23437	0.74221	-0.31578	0.75244
group_char_H3000's:mean_GaitCycleDur	0.47731	0.82577	0.57801	0.56378

Number of observations: 252, Error degrees of freedom: 246

Root Mean Squared Error: 2.38

R-squared: 0.0198, Adjusted R-Squared: -9.96e-05

F-statistic vs. constant model: 0.995, p-value = 0.421

###11-beta\_avg\_power) mean\_GaitCycleDur

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	3.8466	2	1.9233	1.3028	0.27365
mean_GaitCycleDur	0.010553	1	0.010553	0.0071483	0.93269
group_char:mean_GaitCycleDur	0.80125	2	0.40063	0.27137	0.76257
Error	363.18	246	1.4763		
Total	382.5	251			

Linear regression model:

beta\_avg\_power ~ 1 + group\_char\*mean\_GaitCycleDur

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	1.4202	0.34371	4.132	4.9335e-05
group_char_H2000's	0.75226	0.64214	1.1715	0.24254
group_char_H3000's	-0.47057	0.64465	-0.72997	0.4661
mean_GaitCycleDur	0.071554	0.17874	0.40033	0.68926
group_char_H2000's:mean_GaitCycleDur	-0.24996	0.37939	-0.65886	0.5106
group_char_H3000's:mean_GaitCycleDur	0.080845	0.4221	0.19153	0.84827

Number of observations: 252, Error degrees of freedom: 246

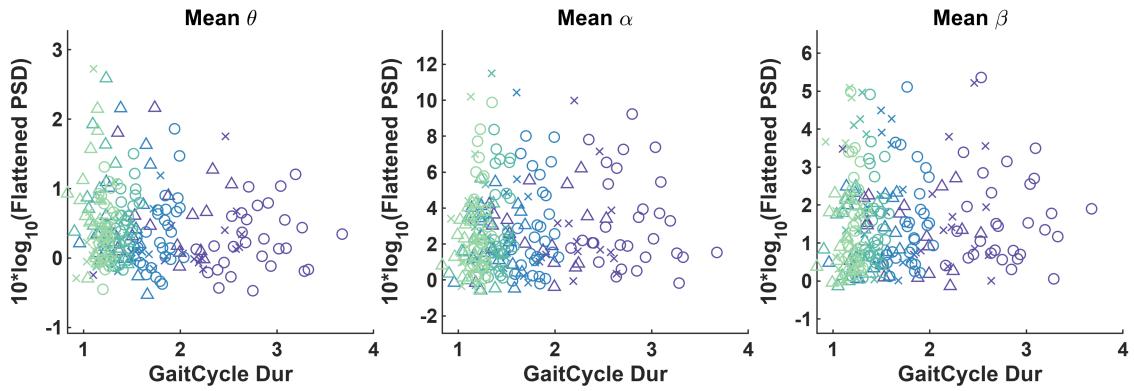
Root Mean Squared Error: 1.22

R-squared: 0.0505, Adjusted R-Squared: 0.0312

F-statistic vs. constant model: 2.62, p-value = 0.0251

## CL11: Calcarine\_L

○ YA    ✕ HO    △ FO  
 ○ 0.25    ○ 0.5    ○ 0.75    ○ 1



```

###11-theta_avg_power) mean_PeakUpDownVel_mean
SumOfSquares   DF      MeanSquares      F      pValue
-----  -----

```

group_char	1.3681	2	0.68404	2.3692	0.095688
mean_PeakUpDownVel_mean	0.1533	1	0.1533	0.53095	0.4669
group_char:mean_PeakUpDownVel_mean	0.075629	2	0.037814	0.13097	0.8773
Error	71.026	246	0.28872		
Total	76.488	251			

Linear regression model:

theta\_avg\_power ~ 1 + group\_char\*mean\_PeakUpDownVel\_mean

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	0.29319	0.12064	2.4303	0.0158
group_char_H2000's	-0.1414	0.20308	-0.69629	0.48691
group_char_H3000's	0.32501	0.1954	1.6633	0.097522
mean_PeakUpDownVel_mean	0.28548	0.46542	0.61338	0.54019
group_char_H2000's:mean_PeakUpDownVel_mean	0.10115	0.76586	0.13208	0.89503
group_char_H3000's:mean_PeakUpDownVel_mean	-0.28057	0.70243	-0.39942	0.68993

Number of observations: 252, Error degrees of freedom: 246

Root Mean Squared Error: 0.537

R-squared: 0.0714, Adjusted R-Squared: 0.0525

F-statistic vs. constant model: 3.78, p-value = 0.00255

##1-alpha\_avg\_power) mean\_PeakUpDownVel\_mean

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	2.0628	2	1.0314	0.18299	0.83289
mean_PeakUpDownVel_mean	8.849	1	8.849	1.57	0.21139
group_char:mean_PeakUpDownVel_mean	0.25658	2	0.12829	0.022762	0.9775
Error	1386.5	246	5.6362		
Total	1418.1	251			

Linear regression model:

alpha\_avg\_power ~ 1 + group\_char\*mean\_PeakUpDownVel\_mean

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	3.3796	0.53301	6.3405	1.0872e-09
group_char_H2000's	-0.28344	0.89726	-0.31589	0.75235
group_char_H3000's	-0.5144	0.86331	-0.59585	0.55182
mean_PeakUpDownVel_mean	-1.6607	2.0564	-0.80757	0.42012
group_char_H2000's:mean_PeakUpDownVel_mean	0.28773	3.3838	0.085032	0.93231
group_char_H3000's:mean_PeakUpDownVel_mean	-0.44964	3.1035	-0.14488	0.88492

Number of observations: 252, Error degrees of freedom: 246

Root Mean Squared Error: 2.37

R-squared: 0.0223, Adjusted R-Squared: 0.0024

F-statistic vs. constant model: 1.12, p-value = 0.35

##1-beta\_avg\_power) mean\_PeakUpDownVel\_mean

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	1.4635	2	0.73176	0.49624	0.60942
mean_PeakUpDownVel_mean	0.66456	1	0.66456	0.45068	0.50264
group_char:mean_PeakUpDownVel_mean	0.42036	2	0.21018	0.14253	0.86723
Error	362.75	246	1.4746		
Total	382.5	251			

Linear regression model:

beta\_avg\_power ~ 1 + group\_char\*mean\_PeakUpDownVel\_mean

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	1.7054	0.27263	6.2554	1.7445e-09
group_char_H2000's	0.16876	0.45895	0.3677	0.71341
group_char_H3000's	-0.32081	0.44158	-0.72651	0.46822
mean_PeakUpDownVel_mean	-0.65782	1.0518	-0.62541	0.53228
group_char_H2000's:mean_PeakUpDownVel_mean	0.74606	1.7308	0.43105	0.66681
group_char_H3000's:mean_PeakUpDownVel_mean	-0.18227	1.5874	-0.11482	0.90868

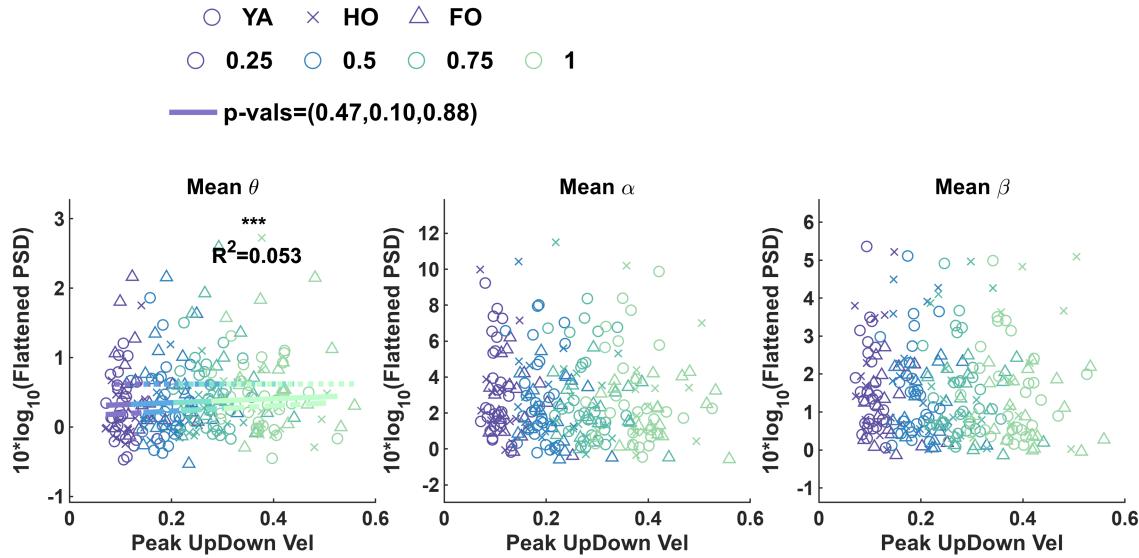
Number of observations: 252, Error degrees of freedom: 246

Root Mean Squared Error: 1.21

R-squared: 0.0516, Adjusted R-Squared: 0.0323

F-statistic vs. constant model: 2.68, p-value = 0.0223

## CL11: Calcarine\_L



```
###12-theta_avg_power) mean_APexc_COV
SumOfSquares   DF      MeanSquares      F      pValue
_____
```

group_char	2.246	2	1.123	1.7407	0.17775
mean_APexc_COV	0.25621	1	0.25621	0.39713	0.52921
group_char:mean_APexc_COV	1.6643	2	0.83213	1.2898	0.27735
Error	145.81	226	0.64517		
Total	149.4	231			

Linear regression model:

theta\_avg\_power ~ 1 + group\_char\*mean\_APexc\_COV

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	0.90668	0.34185	2.6522	0.0085624
group_char_H2000's	-0.82878	0.62118	-1.3342	0.18348
group_char_H3000's	-0.79985	0.46093	-1.7353	0.084055
mean_APexc_COV	-0.032137	0.021064	-1.5257	0.12849
group_char_H2000's:mean_APexc_COV	0.036975	0.031517	1.1732	0.24196
group_char_H3000's:mean_APexc_COV	0.038179	0.024253	1.5742	0.11684

Number of observations: 232, Error degrees of freedom: 226

Root Mean Squared Error: 0.803

R-squared: 0.024, Adjusted R-Squared: 0.00242

F-statistic vs. constant model: 1.11, p-value = 0.355

##12-alpha\_avg\_power) mean\_APexc\_COV

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	3.1635	2	1.5817	0.26976	0.7638
mean_APexc_COV	1.0048	1	1.0048	0.17137	0.67929
group_char:mean_APexc_COV	1.3433	2	0.67167	0.11455	0.89182
Error	1325.1	226	5.8634		
Total	1387.8	231			

Linear regression model:

alpha\_avg\_power ~ 1 + group\_char\*mean\_APexc\_COV

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	3.4301	1.0306	3.3283	0.00102
group_char_H2000's	0.57416	1.8727	0.3066	0.75943
group_char_H3000's	-0.67284	1.3896	-0.48421	0.62871
mean_APexc_COV	0.0087122	0.063501	0.1372	0.891
group_char_H2000's:mean_APexc_COV	-0.045267	0.095014	-0.47642	0.63424
group_char_H3000's:mean_APexc_COV	-0.022967	0.073114	-0.31412	0.75372

Number of observations: 232, Error degrees of freedom: 226

Root Mean Squared Error: 2.42

R-squared: 0.0452, Adjusted R-Squared: 0.024

F-statistic vs. constant model: 2.14, p-value = 0.0619

##12-beta\_avg\_power) mean\_APexc\_COV

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	2.2111	2	1.1055	0.55751	0.57342
mean_APexc_COV	6.3156	1	6.3156	3.1849	0.075663
group_char:mean_APexc_COV	3.4803	2	1.7401	0.87752	0.41722
Error	448.16	226	1.983		
Total	461.5	231			

Linear regression model:

beta\_avg\_power ~ 1 + group\_char\*mean\_APexc\_COV

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	2.0845	0.59933	3.478	0.00060581
group_char_H2000's	-0.70719	1.089	-0.64937	0.51676
group_char_H3000's	0.40009	0.8081	0.4951	0.62101
mean_APexc_COV	0.025851	0.036929	0.70003	0.48463
group_char_H2000's:mean_APexc_COV	0.044515	0.055255	0.80562	0.42131
group_char_H3000's:mean_APexc_COV	-0.016529	0.042519	-0.38874	0.69783

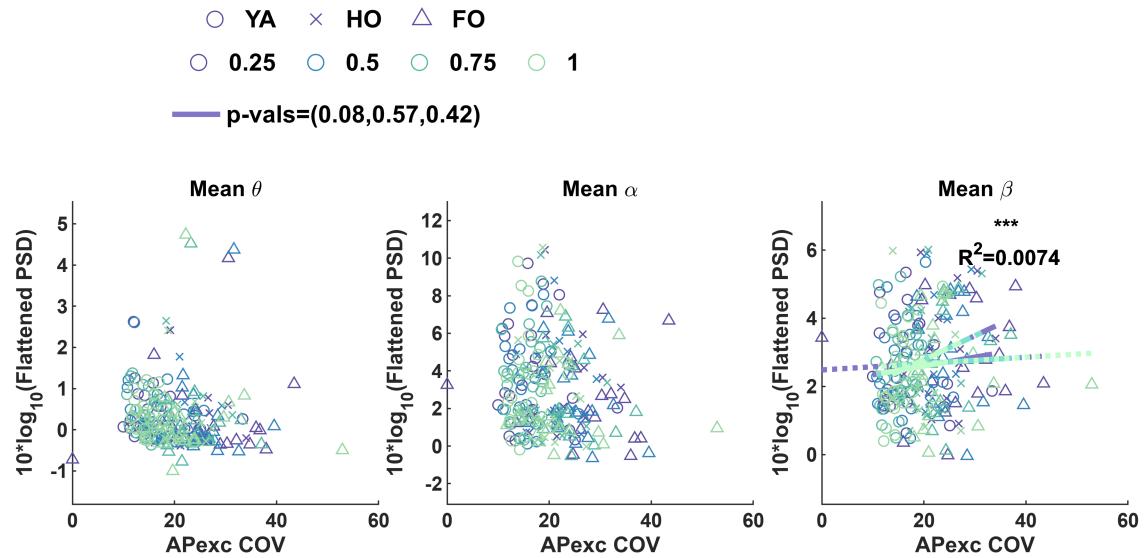
Number of observations: 232, Error degrees of freedom: 226

Root Mean Squared Error: 1.41

R-squared: 0.0289, Adjusted R-Squared: 0.00743

F-statistic vs. constant model: 1.35, p-value = 0.246

## CL12: Cuneus\_R



```
###12-theta_avg_power) mean_APexc_mean
SumOfSquares      DF      MeanSquares      F      pValue
_____           _____           _____           _____
```

group_char	0.027057	2	0.013529	0.020745	0.97947
mean_APexc_mean	0.014209	1	0.014209	0.021789	0.88278
group_char:mean_APexc_mean	0.082981	2	0.041491	0.063623	0.93838
Error	147.38	226	0.65213		
Total	149.4	231			

Linear regression model:

theta\_avg\_power ~ 1 + group\_char\*mean\_APexc\_mean

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	0.28362	0.28973	0.97891	0.32867
group_char_H2000's	-0.084006	0.42879	-0.19592	0.84485
group_char_H3000's	-0.019467	0.39136	-0.049742	0.96037
mean_APexc_mean	2.1173	5.039	0.42019	0.67475
group_char_H2000's:mean_APexc_mean	-2.4891	8.2199	-0.30281	0.76231
group_char_H3000's:mean_APexc_mean	-2.3364	8.0473	-0.29034	0.77182

Number of observations: 232, Error degrees of freedom: 226

Root Mean Squared Error: 0.808

R-squared: 0.0135, Adjusted R-Squared: -0.00835

F-statistic vs. constant model: 0.617, p-value = 0.687

##12-alpha\_avg\_power) mean\_APexc\_mean

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	17.05	2	8.5249	1.4667	0.23286
mean_APexc_mean	11.16	1	11.16	1.9202	0.1672
group_char:mean_APexc_mean	4.8547	2	2.4273	0.41763	0.65911
Error	1313.5	226	5.8121		
Total	1387.8	231			

Linear regression model:

alpha\_avg\_power ~ 1 + group\_char\*mean\_APexc\_mean

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	3.3328	0.86497	3.8531	0.00015196
group_char_H2000's	-0.68347	1.2801	-0.53392	0.59392
group_char_H3000's	-1.9585	1.1684	-1.6762	0.095076
mean_APexc_mean	4.2541	15.043	0.28279	0.7776
group_char_H2000's:mean_APexc_mean	8.0677	24.54	0.32876	0.74264
group_char_H3000's:mean_APexc_mean	21.949	24.024	0.91362	0.36189

Number of observations: 232, Error degrees of freedom: 226

Root Mean Squared Error: 2.41

R-squared: 0.0535, Adjusted R-Squared: 0.0326

F-statistic vs. constant model: 2.56, p-value = 0.0284

##12-beta\_avg\_power) mean\_APexc\_mean

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	2.5313	2	1.2657	0.6354	0.53066
mean_APexc_mean	0.88951	1	0.88951	0.44657	0.50465
group_char:mean_APexc_mean	4.6314	2	2.3157	1.1626	0.31454
Error	450.17	226	1.9919		
Total	461.5	231			

Linear regression model:

beta\_avg\_power ~ 1 + group\_char\*mean\_APexc\_mean

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	2.5252	0.50637	4.9868	1.2227e-06
group_char_H2000's	-0.42768	0.74938	-0.57071	0.56877
group_char_H3000's	0.38049	0.68398	0.55629	0.57856
mean_APexc_mean	-0.60538	8.8066	-0.068742	0.94526
group_char_H2000's:mean_APexc_mean	18.154	14.366	1.2637	0.20765
group_char_H3000's:mean_APexc_mean	-4.2605	14.064	-0.30294	0.76222

Number of observations: 232, Error degrees of freedom: 226

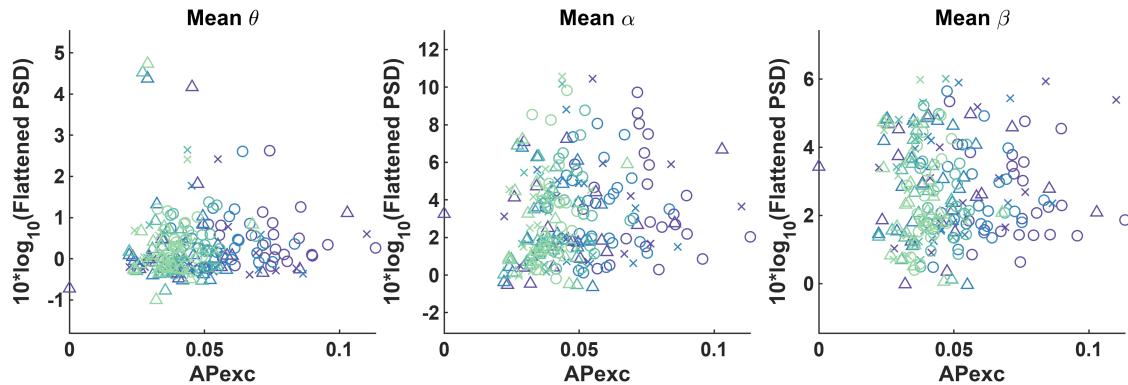
Root Mean Squared Error: 1.41

R-squared: 0.0246, Adjusted R-Squared: 0.00298

F-statistic vs. constant model: 1.14, p-value = 0.341

## CL12: Cuneus\_R

○ YA    × HO    △ FO  
 ○ 0.25    ○ 0.5    ○ 0.75    ○ 1



```

###12-theta_avg_power) mean_MLexc_COV
      SumOfSquares      DF      MeanSquares      F      pValue

```

group_char	0.18196	2	0.09098	0.13975	0.86965
mean_MLexc_COV	0.14581	1	0.14581	0.22398	0.63648
group_char:mean_MLexc_COV	0.16266	2	0.08133	0.12493	0.88262
Error	147.13	226	0.651		
Total	149.4	231			

Linear regression model:

theta\_avg\_power ~ 1 + group\_char\*mean\_MLexc\_COV

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	0.29664	0.2285	1.2982	0.19553
group_char_H2000's	-0.073533	0.3885	-0.18927	0.85005
group_char_H3000's	-0.19196	0.36312	-0.52864	0.59757
mean_MLexc_COV	0.0073496	0.015107	0.48651	0.62708
group_char_H2000's:mean_MLexc_COV	-0.010323	0.026417	-0.39079	0.69632
group_char_H3000's:mean_MLexc_COV	0.0039794	0.025131	0.15835	0.87432

Number of observations: 232, Error degrees of freedom: 226

Root Mean Squared Error: 0.807

R-squared: 0.0152, Adjusted R-Squared: -0.0066

F-statistic vs. constant model: 0.697, p-value = 0.626

##12-alpha\_avg\_power) mean\_MLexc\_COV

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	45.487	2	22.743	4.0228	0.0192
mean_MLexc_COV	22.389	1	22.389	3.9601	0.047797
group_char:mean_MLexc_COV	18.61	2	9.3049	1.6458	0.19516
Error	1277.7	226	5.6536		
Total	1387.8	231			

Linear regression model:

alpha\_avg\_power ~ 1 + group\_char\*mean\_MLexc\_COV

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	5.1353	0.67337	7.6262	6.6624e-13
group_char_H2000's	-0.54126	1.1449	-0.47276	0.63684
group_char_H3000's	-2.9676	1.0701	-2.7732	0.0060149
mean_MLexc_COV	-0.11113	0.044519	-2.4962	0.013267
group_char_H2000's:mean_MLexc_COV	0.009726	0.077849	0.12493	0.90069
group_char_H3000's:mean_MLexc_COV	0.12906	0.074059	1.7426	0.08276

Number of observations: 232, Error degrees of freedom: 226

Root Mean Squared Error: 2.38

R-squared: 0.0793, Adjusted R-Squared: 0.059

F-statistic vs. constant model: 3.89, p-value = 0.00209

##12-beta\_avg\_power) mean\_MLexc\_COV

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	2.3321	2	1.166	0.58542	0.55772
mean_MLexc_COV	0.02491	1	0.02491	0.012506	0.91106
group_char:mean_MLexc_COV	4.6343	2	2.3172	1.1633	0.3143
Error	450.15	226	1.9918		
Total	461.5	231			

Linear regression model:

beta\_avg\_power ~ 1 + group\_char\*mean\_MLexc\_COV

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	3.0123	0.39968	7.5368	1.1542e-12
group_char_H2000's	-0.14048	0.67956	-0.20672	0.83641
group_char_H3000's	-0.67531	0.63516	-1.0632	0.28882
mean_MLexc_COV	-0.036893	0.026424	-1.3962	0.16403
group_char_H2000's:mean_MLexc_COV	0.038981	0.046208	0.84361	0.39978
group_char_H3000's:mean_MLexc_COV	0.065207	0.043958	1.4834	0.13936

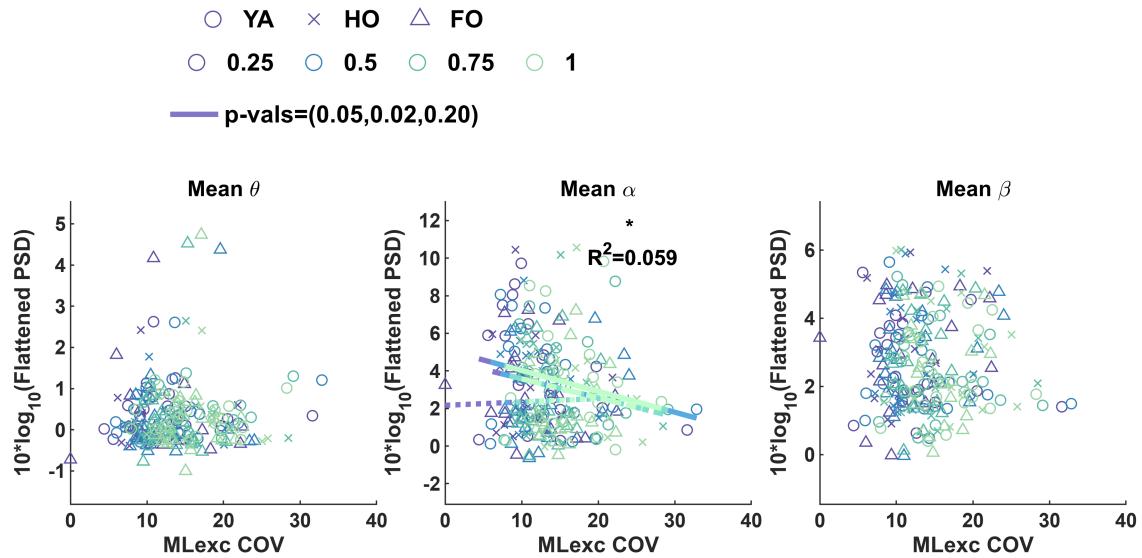
Number of observations: 232, Error degrees of freedom: 226

Root Mean Squared Error: 1.41

R-squared: 0.0246, Adjusted R-Squared: 0.00302

F-statistic vs. constant model: 1.14, p-value = 0.34

## CL12: Cuneus\_R



```
###12-theta_avg_power) mean_MLexc_mean
SumOfSquares      DF      MeanSquares      F      pValue
_____           _____           _____           _____
```

group_char	4.1011	2	2.0506	3.2616	0.040139
mean_MLexc_mean	0.75119	1	0.75119	1.1948	0.27552
group_char:mean_MLexc_mean	3.976	2	1.988	3.162	0.044218
Error	142.09	226	0.6287		
Total	149.4	231			

Linear regression model:

theta\_avg\_power ~ 1 + group\_char\*mean\_MLexc\_mean

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	0.46619	0.24187	1.9274	0.055178
group_char_H2000's	-0.18807	0.37678	-0.49914	0.61816
group_char_H3000's	-0.80436	0.32911	-2.444	0.015291
mean_MLexc_mean	-0.80388	2.7823	-0.28893	0.7729
group_char_H2000's:mean_MLexc_mean	-0.22788	4.0212	-0.056671	0.95486
group_char_H3000's:mean_MLexc_mean	7.7579	3.6738	2.1117	0.035815

Number of observations: 232, Error degrees of freedom: 226

Root Mean Squared Error: 0.793

R-squared: 0.0489, Adjusted R-Squared: 0.0279

F-statistic vs. constant model: 2.33, p-value = 0.0438

##12-alpha\_avg\_power) mean\_MLexc\_mean

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	24.008	2	12.004	2.1003	0.12481
mean_MLexc_mean	21.271	1	21.271	3.7216	0.054965
group_char:mean_MLexc_mean	9.818	2	4.909	0.8589	0.42501
Error	1291.7	226	5.7155		
Total	1387.8	231			

Linear regression model:

alpha\_avg\_power ~ 1 + group\_char\*mean\_MLexc\_mean

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	2.6327	0.72927	3.61	0.00037712
group_char_H2000's	0.52785	1.136	0.46464	0.64264
group_char_H3000's	-1.529	0.99231	-1.5408	0.12475
mean_MLexc_mean	11.409	8.3888	1.36	0.17517
group_char_H2000's:mean_MLexc_mean	-10.842	12.124	-0.89421	0.37216
group_char_H3000's:mean_MLexc_mean	3.8502	11.077	0.34758	0.72848

Number of observations: 232, Error degrees of freedom: 226

Root Mean Squared Error: 2.39

R-squared: 0.0693, Adjusted R-Squared: 0.0487

F-statistic vs. constant model: 3.36, p-value = 0.00597

##12-beta\_avg\_power) mean\_MLexc\_mean

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	13.729	2	6.8646	3.4936	0.032044
mean_MLexc_mean	0.58369	1	0.58369	0.29706	0.58627
group_char:mean_MLexc_mean	11.111	2	5.5553	2.8272	0.061272
Error	444.07	226	1.9649		
Total	461.5	231			

Linear regression model:

beta\_avg\_power ~ 1 + group\_char\*mean\_MLexc\_mean

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	1.7066	0.4276	3.991	8.8929e-05
group_char_H2000's	1.1209	0.6661	1.6828	0.093793
group_char_H3000's	1.5077	0.58183	2.5912	0.010186
mean_MLexc_mean	9.5848	4.9187	1.9487	0.052574
group_char_H2000's:mean_MLexc_mean	-8.7987	7.1089	-1.2377	0.21711
group_char_H3000's:mean_MLexc_mean	-15.444	6.4949	-2.3779	0.018245

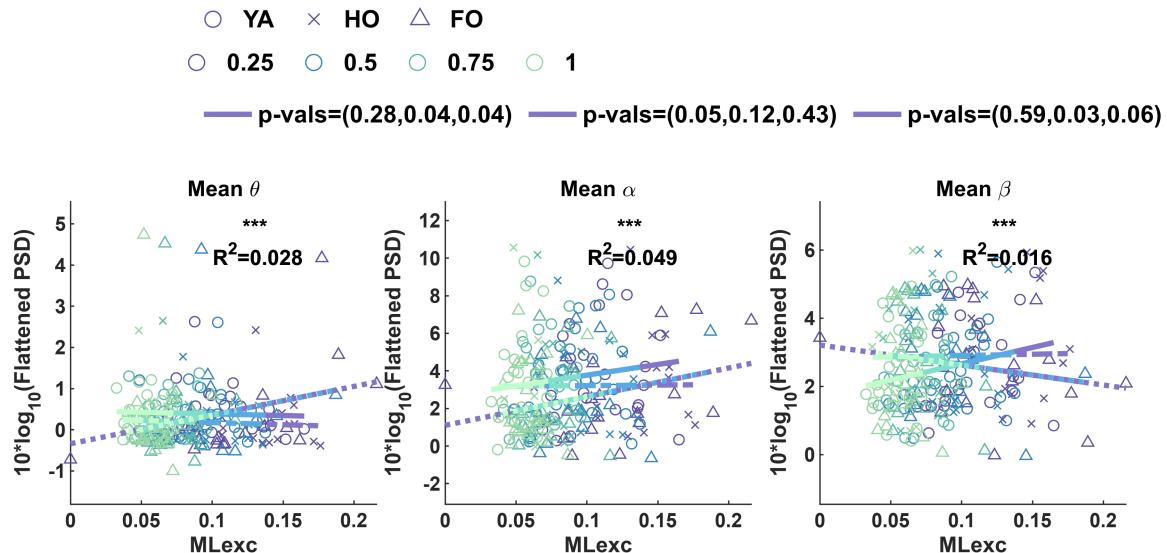
Number of observations: 232, Error degrees of freedom: 226

Root Mean Squared Error: 1.4

R-squared: 0.0378, Adjusted R-Squared: 0.0165

F-statistic vs. constant model: 1.77, p-value = 0.119

## CL12: Cuneus\_R



```
###12-theta_avg_power) mean_StepDur
SumOfSquares      DF      MeanSquares      F      pValue
_____          _____          _____          _____
```

group_char	0.21149	2	0.10575	0.16267	0.84997
mean_StepDur	0.2759	1	0.2759	0.42441	0.51541
group_char:mean_StepDur	0.19166	2	0.095831	0.14742	0.86302
Error	146.92	226	0.65007		
Total	149.4	231			

Linear regression model:

```
theta_avg_power ~ 1 + group_char*mean_StepDur
```

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	0.25664	0.24454	1.0495	0.29508
group_char_H2000's	-0.054267	0.46274	-0.11727	0.90675
group_char_H3000's	-0.24359	0.42915	-0.5676	0.57087
mean_StepDur	0.15637	0.25059	0.62402	0.53325
group_char_H2000's:mean_StepDur	-0.18223	0.55417	-0.32883	0.74259
group_char_H3000's:mean_StepDur	0.1996	0.55975	0.35658	0.72174

Number of observations: 232, Error degrees of freedom: 226

Root Mean Squared Error: 0.806

R-squared: 0.0166, Adjusted R-Squared: -0.00516

F-statistic vs. constant model: 0.763, p-value = 0.578

```
###12-alpha_avg_power) mean_StepDur
```

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	19.664	2	9.8322	1.7003	0.18495
mean_StepDur	17.584	1	17.584	3.0409	0.082548
group_char:mean_StepDur	7.7532	2	3.8766	0.67039	0.51252
Error	1306.9	226	5.7825		
Total	1387.8	231			

Linear regression model:

```
alpha_avg_power ~ 1 + group_char*mean_StepDur
```

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	3.0732	0.72934	4.2137	3.6324e-05
group_char_H2000's	-0.52963	1.3801	-0.38376	0.70152
group_char_H3000's	-2.3494	1.2799	-1.8355	0.067739
mean_StepDur	0.53771	0.74737	0.71947	0.4726
group_char_H2000's:mean_StepDur	0.33822	1.6528	0.20464	0.83804
group_char_H3000's:mean_StepDur	1.9324	1.6694	1.1575	0.24828

Number of observations: 232, Error degrees of freedom: 226

Root Mean Squared Error: 2.4

R-squared: 0.0583, Adjusted R-Squared: 0.0375

F-statistic vs. constant model: 2.8, p-value = 0.0178

```
###12-beta_avg_power) mean_StepDur
```

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	0.42398	2	0.21199	0.10529	0.90011
mean_StepDur	0.20408	1	0.20408	0.10136	0.7505
group_char:mean_StepDur	0.069211	2	0.034605	0.017187	0.98296
Error	455.03	226	2.0134		
Total	461.5	231			

Linear regression model:

```
beta_avg_power ~ 1 + group_char*mean_StepDur
```

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	2.398	0.43037	5.572	7.1347e-08
group_char_H2000's	0.30129	0.81437	0.36997	0.71175
group_char_H3000's	0.27966	0.75526	0.37029	0.71151
mean_StepDur	0.10207	0.44101	0.23144	0.81718
group_char_H2000's:mean_StepDur	0.1609	0.97528	0.16498	0.86911
group_char_H3000's:mean_StepDur	-0.048706	0.9851	-0.049443	0.96061

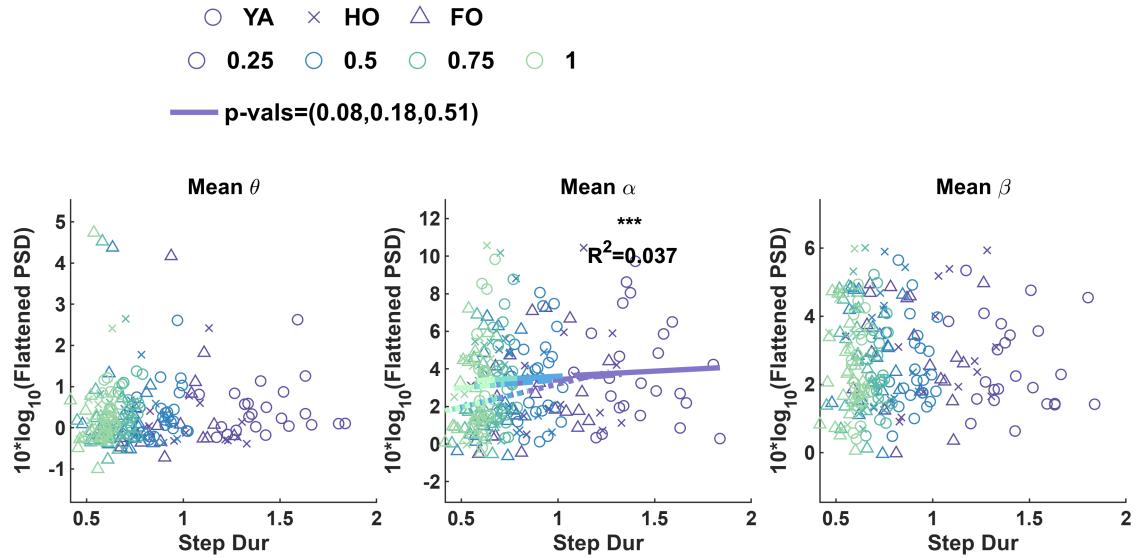
Number of observations: 232, Error degrees of freedom: 226

Root Mean Squared Error: 1.42

R-squared: 0.014, Adjusted R-Squared: -0.00779

F-statistic vs. constant model: 0.643, p-value = 0.667

## CL12: Cuneus\_R



```
###12-theta_avg_power) mean_UDexc_COV
SumOfSquares      DF      MeanSquares      F      pValue
_____           _____           _____           _____           _____
```

group_char	0.15653	2	0.078263	0.12025	0.88676
mean_UDexc_COV	0.044482	1	0.044482	0.068343	0.794
group_char:mean_UDexc_COV	0.37431	2	0.18716	0.28755	0.75037
Error	147.09	226	0.65086		
Total	149.4	231			

Linear regression model:

```
theta_avg_power ~ 1 + group_char*mean_UDexc_COV
```

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	0.36725	0.21194	1.7328	0.084492
group_char_H2000's	-0.0080029	0.33372	-0.023981	0.98089
group_char_H3000's	-0.15063	0.32966	-0.45692	0.64817
mean_UDexc_COV	0.002695	0.015904	0.16945	0.86559
group_char_H2000's:mean_UDexc_COV	-0.015678	0.023434	-0.66902	0.50416
group_char_H3000's:mean_UDexc_COV	6.5453e-05	0.023084	0.0028354	0.99774

Number of observations: 232, Error degrees of freedom: 226

Root Mean Squared Error: 0.807

R-squared: 0.0154, Adjusted R-Squared: -0.00637

F-statistic vs. constant model: 0.707, p-value = 0.618

```
###12-alpha_avg_power) mean_UDexc_COV
```

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	11.492	2	5.746	0.98372	0.37551
mean_UDexc_COV	4.6711	1	4.6711	0.7997	0.37213
group_char:mean_UDexc_COV	3.3589	2	1.6795	0.28753	0.75039
Error	1320.1	226	5.8411		
Total	1387.8	231			

Linear regression model:

```
alpha_avg_power ~ 1 + group_char*mean_UDexc_COV
```

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	3.6737	0.6349	5.7862	2.3855e-08
group_char_H2000's	0.31476	0.99973	0.31485	0.75317
group_char_H3000's	-1.1053	0.98758	-1.1192	0.26424
mean_UDexc_COV	-0.008659	0.047644	-0.18174	0.85595
group_char_H2000's:mean_UDexc_COV	-0.048332	0.070202	-0.68848	0.49186
group_char_H3000's:mean_UDexc_COV	-0.0028294	0.069155	-0.040914	0.9674

Number of observations: 232, Error degrees of freedom: 226

Root Mean Squared Error: 2.42

R-squared: 0.0488, Adjusted R-Squared: 0.0278

F-statistic vs. constant model: 2.32, p-value = 0.0443

```
###12-beta_avg_power) mean_UDexc_COV
```

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	2.54	2	1.27	0.63664	0.53001
mean_UDexc_COV	1.5716	1	1.5716	0.78783	0.3757
group_char:mean_UDexc_COV	3.0229	2	1.5114	0.75765	0.46995
Error	450.84	226	1.9949		
Total	461.5	231			

Linear regression model:

```
beta_avg_power ~ 1 + group_char*mean_UDexc_COV
```

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	2.5558	0.37104	6.8881	5.5443e-11
group_char_H2000's	0.2507	0.58424	0.4291	0.66826
group_char_H3000's	-0.44872	0.57715	-0.77749	0.43768
mean_UDexc_COV	-0.0052101	0.027843	-0.18712	0.85173
group_char_H2000's:mean_UDexc_COV	0.012105	0.041026	0.29506	0.76822
group_char_H3000's:mean_UDexc_COV	0.048269	0.040414	1.1944	0.23359

Number of observations: 232, Error degrees of freedom: 226

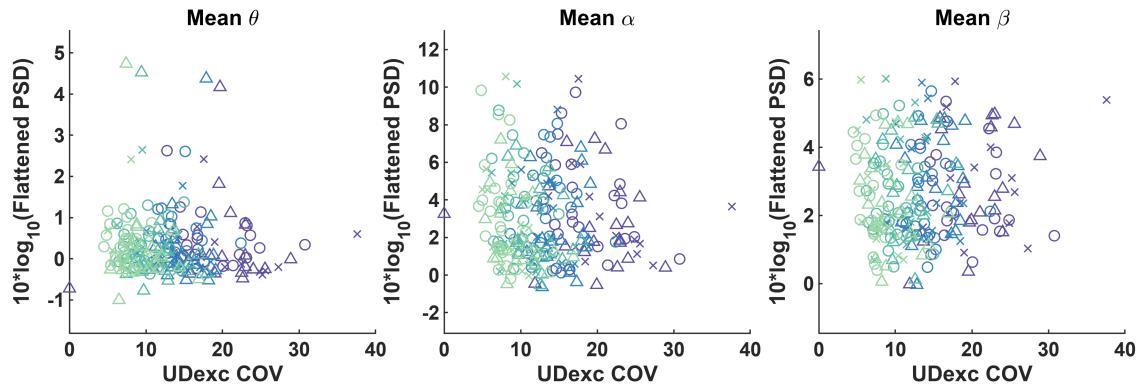
Root Mean Squared Error: 1.41

R-squared: 0.0231, Adjusted R-Squared: 0.00148

F-statistic vs. constant model: 1.07, p-value = 0.379

## CL12: Cuneus\_R

○ YA    ✕ HO    △ FO  
 ○ 0.25    ○ 0.5    ○ 0.75    ○ 1



```

###12-theta_avg_power) mean_UDexc_mean
      SumOfSquares      DF      MeanSquares      F      pValue
      _____      ____      _____      ____      _____
  
```

group_char	1.1076	2	0.55378	0.85115	0.42829
mean_UDexc_mean	0.02824	1	0.02824	0.043405	0.83515
group_char:mean_UDexc_mean	0.39184	2	0.19592	0.30112	0.74028
Error	147.04	226	0.65062		
Total	149.4	231			

Linear regression model:

theta\_avg\_power ~ 1 + group\_char\*mean\_UDexc\_mean

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	0.57386	0.24662	2.3269	0.020857
group_char_H2000's	-0.50168	0.39946	-1.2559	0.21045
group_char_H3000's	-0.29782	0.33772	-0.88187	0.37879
mean_UDexc_mean	-7.2759	9.7479	-0.7464	0.4562
group_char_H2000's:mean_UDexc_mean	11.713	15.352	0.76296	0.44628
group_char_H3000's:mean_UDexc_mean	6.3977	13.33	0.47994	0.63173

Number of observations: 232, Error degrees of freedom: 226

Root Mean Squared Error: 0.807

R-squared: 0.0158, Adjusted R-Squared: -0.00601

F-statistic vs. constant model: 0.724, p-value = 0.606

##12-alpha\_avg\_power) mean\_UDexc\_mean

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	6.2379	2	3.1189	0.53386	0.58707
mean_UDexc_mean	6.0288	1	6.0288	1.0319	0.31079
group_char:mean_UDexc_mean	0.3673	2	0.18365	0.031435	0.96906
Error	1320.3	226	5.8422		
Total	1387.8	231			

Linear regression model:

alpha\_avg\_power ~ 1 + group\_char\*mean\_UDexc\_mean

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	4.001	0.73902	5.4139	1.5712e-07
group_char_H2000's	-0.47665	1.197	-0.3982	0.69086
group_char_H3000's	-1.043	1.012	-1.0306	0.30382
mean_UDexc_mean	-18.185	29.21	-0.62256	0.5342
group_char_H2000's:mean_UDexc_mean	5.6764	46.002	0.12339	0.90191
group_char_H3000's:mean_UDexc_mean	-5.4334	39.945	-0.13602	0.89192

Number of observations: 232, Error degrees of freedom: 226

Root Mean Squared Error: 2.42

R-squared: 0.0486, Adjusted R-Squared: 0.0276

F-statistic vs. constant model: 2.31, p-value = 0.0451

##12-beta\_avg\_power) mean\_UDexc\_mean

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	8.6292	2	4.3146	2.2023	0.11291
mean_UDexc_mean	6.8791	1	6.8791	3.5114	0.06224
group_char:mean_UDexc_mean	5.4965	2	2.7483	1.4028	0.24804
Error	442.76	226	1.9591		
Total	461.5	231			

Linear regression model:

beta\_avg\_power ~ 1 + group\_char\*mean\_UDexc\_mean

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	2.4098	0.42795	5.631	5.2912e-08
group_char_H2000's	1.1821	0.69316	1.7054	0.089497
group_char_H3000's	1.0905	0.58603	1.8608	0.064078
mean_UDexc_mean	3.4375	16.915	0.20322	0.83915
group_char_H2000's:mean_UDexc_mean	-31.227	26.639	-1.1722	0.24234
group_char_H3000's:mean_UDexc_mean	-37.102	23.131	-1.604	0.11012

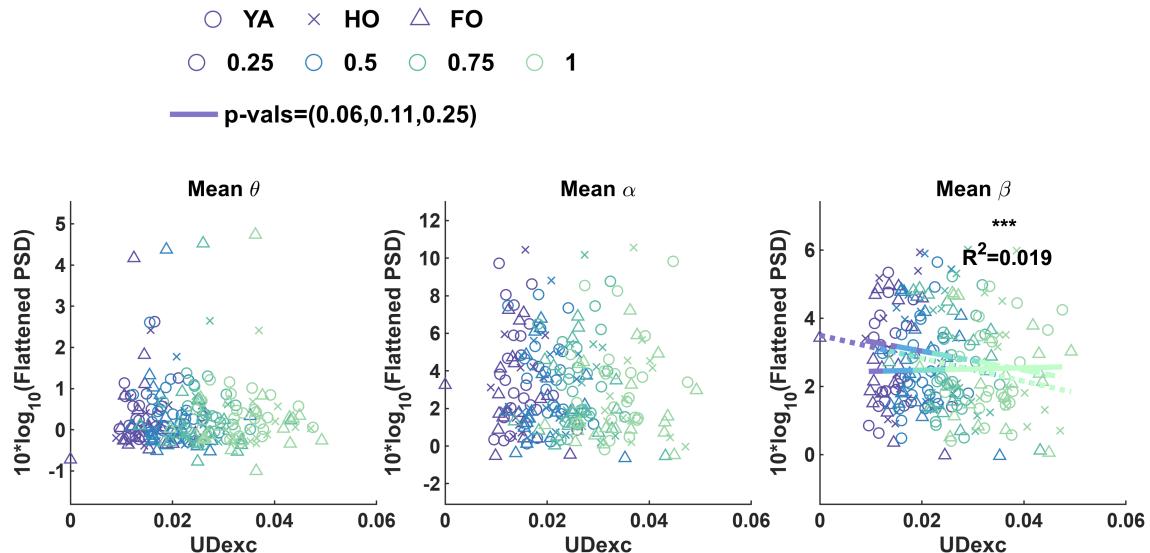
Number of observations: 232, Error degrees of freedom: 226

Root Mean Squared Error: 1.4

R-squared: 0.0406, Adjusted R-Squared: 0.0194

F-statistic vs. constant model: 1.91, p-value = 0.093

## CL12: Cuneus\_R



```
###12-theta_avg_power) mean_StanceDur
SumOfSquares      DF      MeanSquares      F      pValue
_____          _____          _____          _____
```

group_char	0.36354	2	0.18177	0.27995	0.75608
mean_StanceDur	0.34825	1	0.34825	0.53634	0.46471
group_char:mean_StanceDur	0.32256	2	0.16128	0.2484	0.78026
Error	146.74	226	0.6493		
Total	149.4	231			

Linear regression model:

```
theta_avg_power ~ 1 + group_char*mean_StanceDur
```

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	0.27945	0.20565	1.3589	0.17555
group_char_H2000's	-0.063413	0.3824	-0.16583	0.86844
group_char_H3000's	-0.27138	0.36401	-0.74555	0.45671
mean_StanceDur	0.095978	0.14965	0.64135	0.52195
group_char_H2000's:mean_StanceDur	-0.12835	0.33012	-0.38878	0.6978
group_char_H3000's:mean_StanceDur	0.17248	0.34498	0.49997	0.61758

Number of observations: 232, Error degrees of freedom: 226

Root Mean Squared Error: 0.806

R-squared: 0.0178, Adjusted R-Squared: -0.00396

F-statistic vs. constant model: 0.818, p-value = 0.538

```
###12-alpha_avg_power) mean_StanceDur
```

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	21.47	2	10.735	1.8568	0.15855
mean_StanceDur	15.76	1	15.76	2.7259	0.10012
group_char:mean_StanceDur	7.1952	2	3.5976	0.62226	0.53765
Error	1306.6	226	5.7815		
Total	1387.8	231			

Linear regression model:

```
alpha_avg_power ~ 1 + group_char*mean_StanceDur
```

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	3.043	0.61366	4.9588	1.3928e-06
group_char_H2000's	-0.14414	1.1411	-0.12632	0.89959
group_char_H3000's	-2.0316	1.0862	-1.8704	0.062724
mean_StanceDur	0.41629	0.44656	0.93221	0.35222
group_char_H2000's:mean_StanceDur	-0.11205	0.98507	-0.11375	0.90954
group_char_H3000's:mean_StanceDur	1.0971	1.0294	1.0657	0.28768

Number of observations: 232, Error degrees of freedom: 226

Root Mean Squared Error: 2.4

R-squared: 0.0585, Adjusted R-Squared: 0.0377

F-statistic vs. constant model: 2.81, p-value = 0.0175

```
###12-beta_avg_power) mean_StanceDur
```

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	0.87921	2	0.43961	0.21852	0.80388
mean_StanceDur	0.44129	1	0.44129	0.21936	0.63998
group_char:mean_StanceDur	0.010876	2	0.005438	0.0027031	0.9973
Error	454.65	226	2.0117		
Total	461.5	231			

Linear regression model:

```
beta_avg_power ~ 1 + group_char*mean_StanceDur
```

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	2.3378	0.36199	6.4582	6.409e-10
group_char_H2000's	0.40429	0.6731	0.60064	0.54868
group_char_H3000's	0.28551	0.64073	0.4456	0.65631
mean_StanceDur	0.12226	0.26342	0.46411	0.64301
group_char_H2000's:mean_StanceDur	0.030909	0.58108	0.053192	0.95763
group_char_H3000's:mean_StanceDur	-0.023871	0.60723	-0.039312	0.96868

Number of observations: 232, Error degrees of freedom: 226

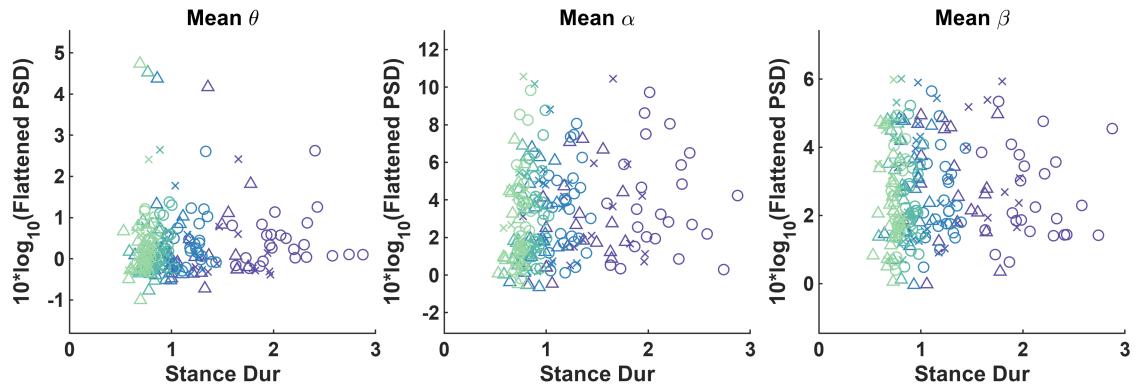
Root Mean Squared Error: 1.42

R-squared: 0.0148, Adjusted R-Squared: -0.00696

F-statistic vs. constant model: 0.681, p-value = 0.639

## CL12: Cuneus\_R

○ YA    ✕ HO    △ FO  
 ○ 0.25    ○ 0.5    ○ 0.75    ○ 1



##12-theta_avg_power) mean_GaitCycleDur	SumOfSquares	DF	MeanSquares	F	pValue
	_____	_____	_____	_____	_____

group_char	0.21268	2	0.10634	0.16359	0.84919
mean_GaitCycleDur	0.27737	1	0.27737	0.42669	0.51428
group_char:mean_GaitCycleDur	0.19503	2	0.097515	0.15001	0.86078
Error	146.91	226	0.65006		
Total	149.4	231			

Linear regression model:

```
theta_avg_power ~ 1 + group_char*mean_GaitCycleDur
```

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	0.25645	0.24428	1.0498	0.29493
group_char_H2000's	-0.053101	0.46091	-0.11521	0.90838
group_char_H3000's	-0.24397	0.42885	-0.56891	0.56998
mean_GaitCycleDur	0.078243	0.12507	0.62561	0.5322
group_char_H2000's:mean_GaitCycleDur	-0.091793	0.27554	-0.33313	0.73934
group_char_H3000's:mean_GaitCycleDur	0.10012	0.27959	0.35809	0.72061

Number of observations: 232, Error degrees of freedom: 226

Root Mean Squared Error: 0.806

R-squared: 0.0166, Adjusted R-Squared: -0.00514

F-statistic vs. constant model: 0.764, p-value = 0.577

###12-alpha\_avg\_power) mean\_GaitCycleDur

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	19.774	2	9.8869	1.7099	0.18322
mean_GaitCycleDur	17.661	1	17.661	3.0544	0.081876
group_char:mean_GaitCycleDur	7.8166	2	3.9083	0.67591	0.50972
Error	1306.8	226	5.7823		
Total	1387.8	231			

Linear regression model:

```
alpha_avg_power ~ 1 + group_char*mean_GaitCycleDur
```

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	3.0743	0.72855	4.2197	3.5432e-05
group_char_H2000's	-0.52561	1.3746	-0.38236	0.70255
group_char_H3000's	-2.3538	1.279	-1.8403	0.067034
mean_GaitCycleDur	0.26811	0.37301	0.71879	0.47301
group_char_H2000's:mean_GaitCycleDur	0.16607	0.82179	0.20208	0.84004
group_char_H3000's:mean_GaitCycleDur	0.96907	0.83385	1.1622	0.24639

Number of observations: 232, Error degrees of freedom: 226

Root Mean Squared Error: 2.4

R-squared: 0.0584, Adjusted R-Squared: 0.0375

F-statistic vs. constant model: 2.8, p-value = 0.0177

###12-beta\_avg\_power) mean\_GaitCycleDur

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	0.40914	2	0.20457	0.10161	0.90342
mean_GaitCycleDur	0.2208	1	0.2208	0.10967	0.74083
group_char:mean_GaitCycleDur	0.079062	2	0.039531	0.019635	0.98056
Error	455.01	226	2.0133		
Total	461.5	231			

Linear regression model:

```
beta_avg_power ~ 1 + group_char*mean_GaitCycleDur
```

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	2.398	0.4299	5.578	6.9197e-08
group_char_H2000's	0.29135	0.81114	0.35918	0.7198
group_char_H3000's	0.27784	0.75471	0.36814	0.71312
mean_GaitCycleDur	0.051002	0.2201	0.23172	0.81696
group_char_H2000's:mean_GaitCycleDur	0.086839	0.48492	0.17908	0.85804
group_char_H3000's:mean_GaitCycleDur	-0.022991	0.49204	-0.046725	0.96277

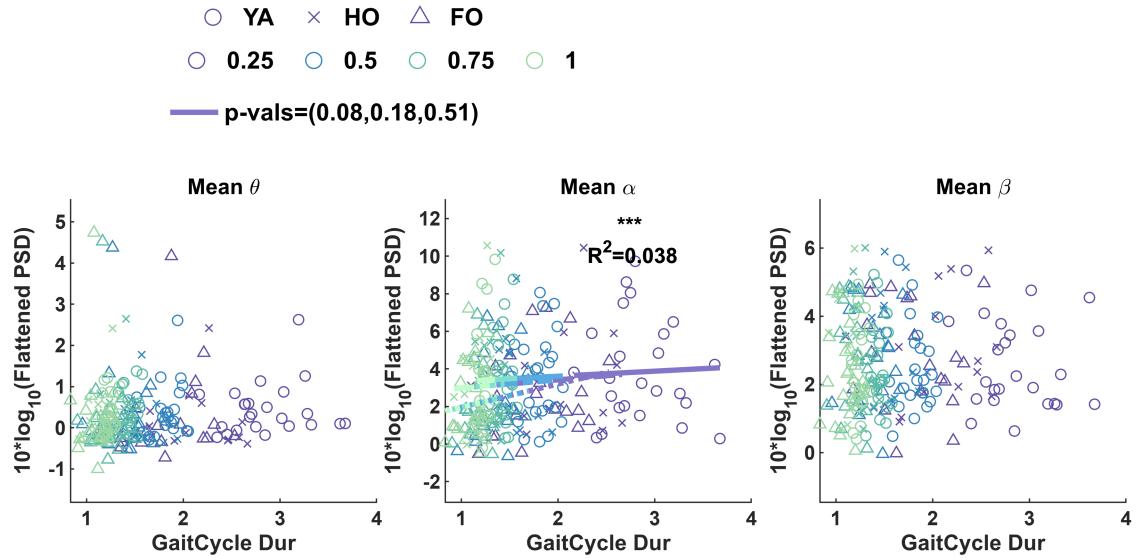
Number of observations: 232, Error degrees of freedom: 226

Root Mean Squared Error: 1.42

R-squared: 0.0141, Adjusted R-Squared: -0.00774

F-statistic vs. constant model: 0.645, p-value = 0.666

## CL12: Cuneus\_R



##12-theta_avg_power) mean_PeakUpDownVel_mean	SumOfSquares	DF	MeanSquares	F	pValue
	—————	—————	—————	—————	—————

group_char	0.88995	2	0.44497	0.68324	0.50602
mean_PeakUpDownVel_mean	0.080631	1	0.080631	0.1238	0.72527
group_char:mean_PeakUpDownVel_mean	0.23455	2	0.11728	0.18007	0.83533
Error	147.19	226	0.65127		
Total	149.4	231			

Linear regression model:

theta\_avg\_power ~ 1 + group\_char\*mean\_PeakUpDownVel\_mean

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	0.51778	0.19886	2.6037	0.0098339
group_char_H2000's	-0.30125	0.3219	-0.93585	0.35035
group_char_H3000's	-0.29849	0.28937	-1.0315	0.3034
mean_PeakUpDownVel_mean	-0.5024	0.77434	-0.64881	0.51712
group_char_H2000's:mean_PeakUpDownVel_mean	0.37184	1.1733	0.31691	0.7516
group_char_H3000's:mean_PeakUpDownVel_mean	0.64547	1.0777	0.59895	0.5498

Number of observations: 232, Error degrees of freedom: 226

Root Mean Squared Error: 0.807

R-squared: 0.0148, Adjusted R-Squared: -0.00702

F-statistic vs. constant model: 0.678, p-value = 0.641

##12-alpha\_avg\_power) mean\_PeakUpDownVel\_mean

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	4.2338	2	2.1169	0.36583	0.69403
mean_PeakUpDownVel_mean	16.22	1	16.22	2.8032	0.095463
group_char:mean_PeakUpDownVel_mean	3.976	2	1.988	0.34356	0.70961
Error	1307.7	226	5.7865		
Total	1387.8	231			

Linear regression model:

alpha\_avg\_power ~ 1 + group\_char\*mean\_PeakUpDownVel\_mean

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	3.7401	0.59276	6.3097	1.4581e-09
group_char_H2000's	0.26367	0.9595	0.2748	0.78372
group_char_H3000's	-0.53195	0.86253	-0.61674	0.53803
mean_PeakUpDownVel_mean	-0.73921	2.3081	-0.32027	0.74906
group_char_H2000's:mean_PeakUpDownVel_mean	-2.3047	3.4974	-0.65898	0.51058
group_char_H3000's:mean_PeakUpDownVel_mean	-2.426	3.2123	-0.75522	0.45091

Number of observations: 232, Error degrees of freedom: 226

Root Mean Squared Error: 2.41

R-squared: 0.0577, Adjusted R-Squared: 0.0368

F-statistic vs. constant model: 2.77, p-value = 0.019

##12-beta\_avg\_power) mean\_PeakUpDownVel\_mean

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	8.3846	2	4.1923	2.1437	0.11959
mean_PeakUpDownVel_mean	9.0713	1	9.0713	4.6386	0.032319
group_char:mean_PeakUpDownVel_mean	4.2523	2	2.1262	1.0872	0.33892
Error	441.97	226	1.9556		
Total	461.5	231			

Linear regression model:

beta\_avg\_power ~ 1 + group\_char\*mean\_PeakUpDownVel\_mean

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	2.5289	0.3446	7.3387	3.8481e-12
group_char_H2000's	0.94819	0.5578	1.6999	0.090528
group_char_H3000's	0.89865	0.50143	1.7922	0.074444
mean_PeakUpDownVel_mean	-0.15877	1.3418	-0.11833	0.90591
group_char_H2000's:mean_PeakUpDownVel_mean	-2.0617	2.0332	-1.014	0.31166
group_char_H3000's:mean_PeakUpDownVel_mean	-2.6581	1.8674	-1.4234	0.15599

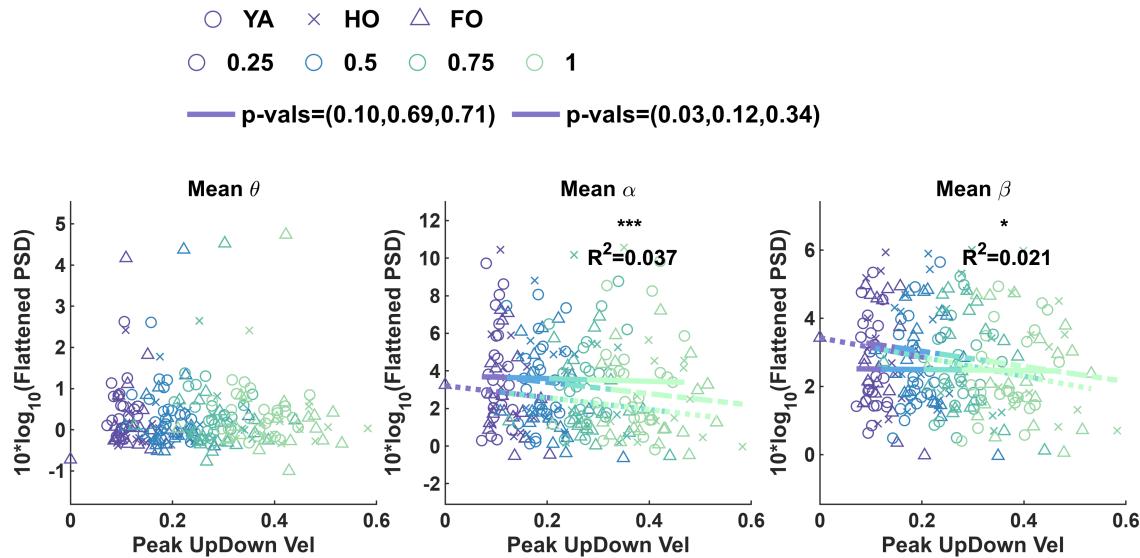
Number of observations: 232, Error degrees of freedom: 226

Root Mean Squared Error: 1.4

R-squared: 0.0423, Adjusted R-Squared: 0.0211

F-statistic vs. constant model: 2, p-value = 0.08

## CL12: Cuneus\_R



```
###3-theta_avg_power) mean_APexc_COV
SumOfSquares      DF      MeanSquares      F      pValue
_____           _____           _____           _____
```

group_char	3.0236	2	1.5118	2.0462	0.13219
mean_APexc_COV	0.19648	1	0.19648	0.26593	0.6067
group_char:mean_APexc_COV	6.1658	2	3.0829	4.1725	0.016913
Error	134.47	182	0.73885		
Total	155.59	187			

Linear regression model:

theta\_avg\_power ~ 1 + group\_char\*mean\_APexc\_COV

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	0.092089	0.3694	0.24929	0.80342
group_char_H2000's	0.33911	0.6823	0.497	0.61979
group_char_H3000's	1.1984	0.59506	2.0139	0.045491
mean_APexc_COV	0.05525	0.022363	2.4706	0.01441
group_char_H2000's:mean_APexc_COV	-0.061425	0.034202	-1.7959	0.074163
group_char_H3000's:mean_APexc_COV	-0.084108	0.029452	-2.8557	0.0047927

Number of observations: 188, Error degrees of freedom: 182

Root Mean Squared Error: 0.86

R-squared: 0.136, Adjusted R-Squared: 0.112

F-statistic vs. constant model: 5.72, p-value = 6.33e-05

###13-alpha\_avg\_power) mean\_APexc\_COV

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	4.6024	2	2.3012	1.4202	0.24433
mean_APexc_COV	3.4065	1	3.4065	2.1024	0.14879
group_char:mean_APexc_COV	6.2983	2	3.1491	1.9435	0.14616
Error	294.9	182	1.6203		
Total	308.32	187			

Linear regression model:

alpha\_avg\_power ~ 1 + group\_char\*mean\_APexc\_COV

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	0.98298	0.54704	1.7969	0.074009
group_char_H2000's	1.6914	1.0104	1.6739	0.095862
group_char_H3000's	0.33325	0.88122	0.37816	0.70575
mean_APexc_COV	0.015109	0.033118	0.45621	0.64878
group_char_H2000's:mean_APexc_COV	-0.098691	0.050649	-1.9485	0.05289
group_char_H3000's:mean_APexc_COV	-0.030818	0.043616	-0.70658	0.48073

Number of observations: 188, Error degrees of freedom: 182

Root Mean Squared Error: 1.27

R-squared: 0.0435, Adjusted R-Squared: 0.0172

F-statistic vs. constant model: 1.66, p-value = 0.147

###13-beta\_avg\_power) mean\_APexc\_COV

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	2.2966	2	1.1483	1.3154	0.27089
mean_APexc_COV	0.33805	1	0.33805	0.38727	0.53452
group_char:mean_APexc_COV	2.3241	2	1.1621	1.3312	0.26671
Error	158.87	182	0.87292		
Total	161.78	187			

Linear regression model:

beta\_avg\_power ~ 1 + group\_char\*mean\_APexc\_COV

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	0.91747	0.40152	2.285	0.023467
group_char_H2000's	0.92567	0.74163	1.2482	0.21358
group_char_H3000's	-0.35969	0.6468	-0.5561	0.57882
mean_APexc_COV	-0.003519	0.024308	-0.14477	0.88505
group_char_H2000's:mean_APexc_COV	-0.036537	0.037176	-0.98281	0.327
group_char_H3000's:mean_APexc_COV	0.020574	0.032013	0.64268	0.52124

Number of observations: 188, Error degrees of freedom: 182

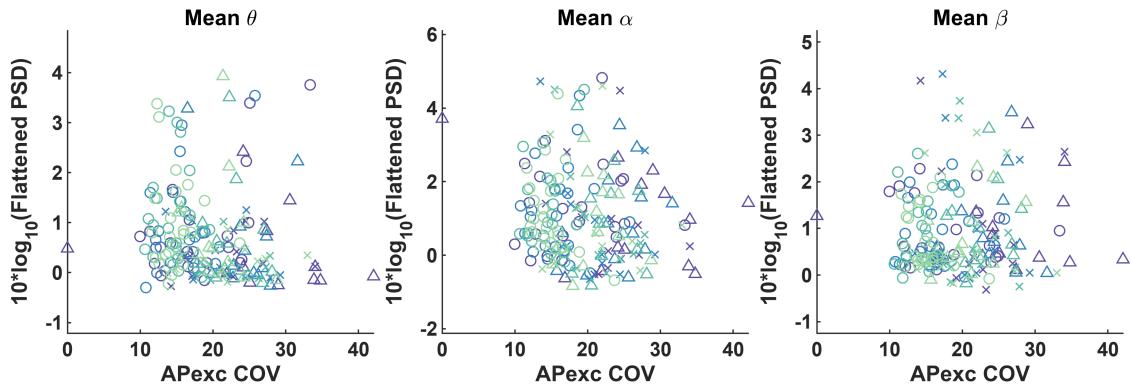
Root Mean Squared Error: 0.934

R-squared: 0.018, Adjusted R-Squared: -0.009

F-statistic vs. constant model: 0.666, p-value = 0.649

## CL13: Cingulum\_Mid\_L

○ YA    ✕ HO    △ FO  
 ○ 0.25    ○ 0.5    ○ 0.75    ○ 1



##13-theta_avg_power) mean_APexc_mean	SumOfSquares	DF	MeanSquares	F	pValue
	_____	_____	_____	_____	_____

group_char	0.54985	2	0.27492	0.35604	0.70093
mean_APexc_mean	0.001516	1	0.001516	0.0019634	0.96471
group_char:mean_APexc_mean	0.14681	2	0.073403	0.095062	0.90936
Error	140.53	182	0.77216		
Total	155.59	187			

Linear regression model:

theta\_avg\_power ~ 1 + group\_char\*mean\_APexc\_mean

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	0.85391	0.32583	2.6207	0.0095154
group_char_H2000's	-0.45842	0.54891	-0.83514	0.40473
group_char_H3000's	-0.21604	0.49063	-0.44034	0.66021
mean_APexc_mean	2.3025	5.8754	0.39188	0.69561
group_char_H2000's:mean_APexc_mean	-4.5594	11.386	-0.40044	0.6893
group_char_H3000's:mean_APexc_mean	-2.9906	10.734	-0.27863	0.78085

Number of observations: 188, Error degrees of freedom: 182

Root Mean Squared Error: 0.879

R-squared: 0.0968, Adjusted R-Squared: 0.072

F-statistic vs. constant model: 3.9, p-value = 0.00221

###13-alpha\_avg\_power) mean\_APexc\_mean

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	12.095	2	6.0475	3.7769	0.024709
mean_APexc_mean	0.0014488	1	0.0014488	0.00090483	0.97604
group_char:mean_APexc_mean	11.838	2	5.9192	3.6968	0.026685
Error	291.42	182	1.6012		
Total	308.32	187			

Linear regression model:

alpha\_avg\_power ~ 1 + group\_char\*mean\_APexc\_mean

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	1.3948	0.46919	2.9728	0.0033506
group_char_H2000's	-1.7089	0.79044	-2.162	0.031923
group_char_H3000's	0.49965	0.70651	0.70721	0.48034
mean_APexc_mean	-3.2018	8.4607	-0.37843	0.70555
group_char_H2000's:mean_APexc_mean	30.386	16.396	1.8533	0.065457
group_char_H3000's:mean_APexc_mean	-21.409	15.456	-1.3851	0.16771

Number of observations: 188, Error degrees of freedom: 182

Root Mean Squared Error: 1.27

R-squared: 0.0548, Adjusted R-Squared: 0.0288

F-statistic vs. constant model: 2.11, p-value = 0.0661

###13-beta\_avg\_power) mean\_APexc\_mean

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	0.91765	2	0.45882	0.52185	0.5943
mean_APexc_mean	0.97465	1	0.97465	1.1085	0.2938
group_char:mean_APexc_mean	0.74859	2	0.3743	0.42571	0.65395
Error	160.02	182	0.87922		
Total	161.78	187			

Linear regression model:

beta\_avg\_power ~ 1 + group\_char\*mean\_APexc\_mean

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	0.8503	0.34768	2.4456	0.015411
group_char_H2000's	0.5703	0.58573	0.97365	0.33152
group_char_H3000's	0.34979	0.52353	0.66814	0.50489
mean_APexc_mean	0.20443	6.2695	0.032607	0.97402
group_char_H2000's:mean_APexc_mean	-10.447	12.15	-0.85986	0.391
group_char_H3000's:mean_APexc_mean	-6.4599	11.453	-0.56401	0.57344

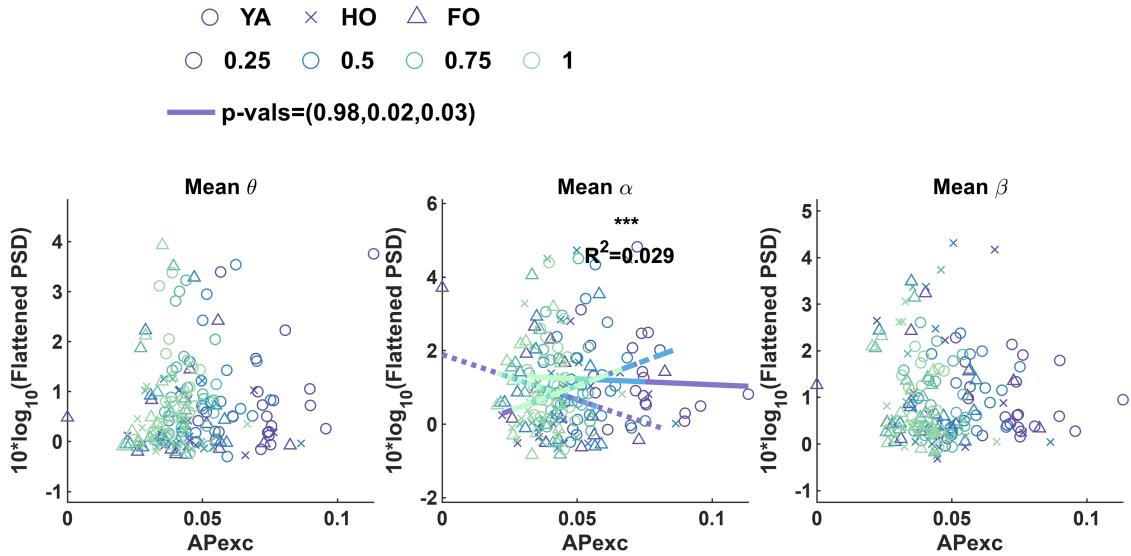
Number of observations: 188, Error degrees of freedom: 182

Root Mean Squared Error: 0.938

R-squared: 0.0109, Adjusted R-Squared: -0.0163

F-statistic vs. constant model: 0.401, p-value = 0.848

## CL13: Cingulum\_Mid\_L



```
###13-theta_avg_power) mean_MLexc_COV
SumOfSquares     DF     MeanSquares     F     pValue
```

group_char	4.2941	2	2.1471	2.8094	0.062858
mean_MLexc_COV	0.30756	1	0.30756	0.40243	0.52663
group_char:mean_MLexc_COV	1.0061	2	0.50307	0.65825	0.51898
Error	139.09	182	0.76425		
Total	155.59	187			

Linear regression model:

theta\_avg\_power ~ 1 + group\_char\*mean\_MLexc\_COV

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	1.3284	0.276	4.8131	3.1113e-06
group_char_H2000's	-0.92015	0.44304	-2.0769	0.039215
group_char_H3000's	-0.85174	0.46585	-1.8284	0.069132
mean_MLexc_COV	-0.026203	0.019328	-1.3558	0.17686
group_char_H2000's:mean_MLexc_COV	0.018438	0.029769	0.61938	0.53644
group_char_H3000's:mean_MLexc_COV	0.035601	0.031426	1.1328	0.25878

Number of observations: 188, Error degrees of freedom: 182

Root Mean Squared Error: 0.874

R-squared: 0.106, Adjusted R-Squared: 0.0815

F-statistic vs. constant model: 4.32, p-value = 0.000977

###13-alpha\_avg\_power) mean\_MLexc\_COV

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	3.4646	2	1.7323	1.0564	0.34983
mean_MLexc_COV	2.0212	1	2.0212	1.2326	0.26837
group_char:mean_MLexc_COV	2.002	2	1.001	0.61044	0.54422
Error	298.45	182	1.6398		
Total	308.32	187			

Linear regression model:

alpha\_avg\_power ~ 1 + group\_char\*mean\_MLexc\_COV

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	1.8012	0.40428	4.4552	1.4607e-05
group_char_H2000's	-0.53863	0.64897	-0.82998	0.40764
group_char_H3000's	-0.96581	0.68238	-1.4154	0.15867
mean_MLexc_COV	-0.042884	0.028311	-1.5147	0.13157
group_char_H2000's:mean_MLexc_COV	0.015022	0.043606	0.34451	0.73086
group_char_H3000's:mean_MLexc_COV	0.050641	0.046033	1.1001	0.27274

Number of observations: 188, Error degrees of freedom: 182

Root Mean Squared Error: 1.28

R-squared: 0.032, Adjusted R-Squared: 0.00541

F-statistic vs. constant model: 1.2, p-value = 0.309

###13-beta\_avg\_power) mean\_MLexc\_COV

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	0.68662	2	0.34331	0.39295	0.67563
mean_MLexc_COV	1.4427	1	1.4427	1.6513	0.20041
group_char:mean_MLexc_COV	0.83138	2	0.41569	0.47579	0.62216
Error	159.01	182	0.87367		
Total	161.78	187			

Linear regression model:

beta\_avg\_power ~ 1 + group\_char\*mean\_MLexc\_COV

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	1.1273	0.2951	3.82	0.00018295
group_char_H2000's	-0.15859	0.47369	-0.33479	0.73817
group_char_H3000's	0.31844	0.49808	0.63934	0.5234
mean_MLexc_COV	-0.019797	0.020665	-0.95802	0.33932
group_char_H2000's:mean_MLexc_COV	0.020325	0.031829	0.63858	0.5239
group_char_H3000's:mean_MLexc_COV	-0.01415	0.033601	-0.42111	0.67417

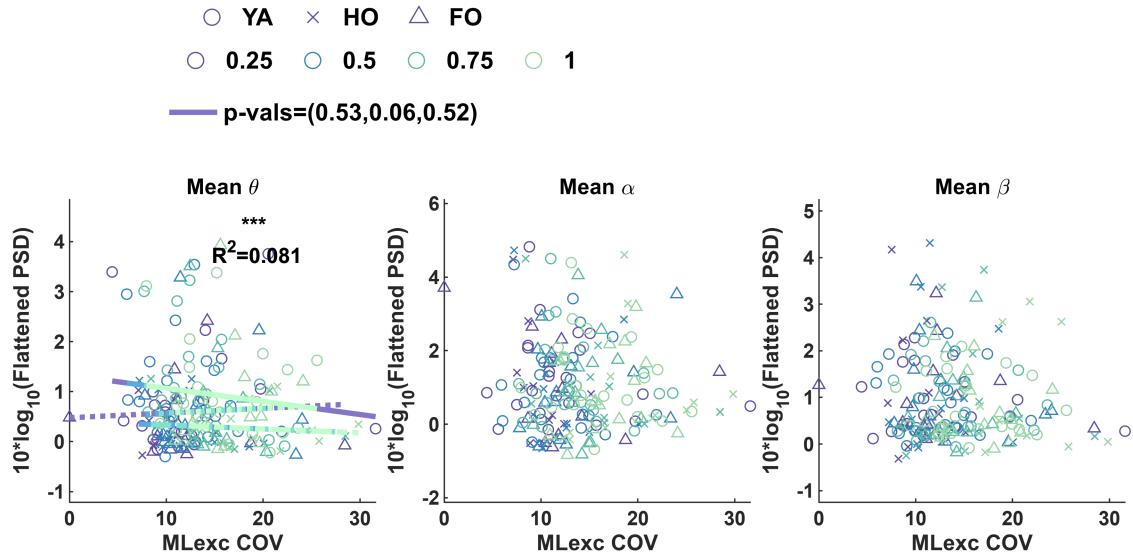
Number of observations: 188, Error degrees of freedom: 182

Root Mean Squared Error: 0.935

R-squared: 0.0171, Adjusted R-Squared: -0.00987

F-statistic vs. constant model: 0.634, p-value = 0.674

## CL13: Cingulum\_Mid\_L



```
###13-theta_avg_power) mean_MLexc_mean
SumOfSquares      DF      MeanSquares      F      pValue
_____           _____           _____           _____           _____
```

group_char	0.32171	2	0.16086	0.21198	0.80918
mean_MLexc_mean	0.69981	1	0.69981	0.92223	0.33817
group_char:mean_MLexc_mean	1.5937	2	0.79687	1.0501	0.352
Error	138.11	182	0.75883		
Total	155.59	187			

Linear regression model:

theta\_avg\_power ~ 1 + group\_char\*mean\_MLexc\_mean

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	0.48116	0.28355	1.6969	0.091425
group_char_H2000's	-0.17191	0.43424	-0.39588	0.69266
group_char_H3000's	0.12541	0.42666	0.29394	0.76914
mean_MLexc_mean	5.896	3.1909	1.8478	0.066259
group_char_H2000's:mean_MLexc_mean	-6.0329	4.7809	-1.2619	0.20861
group_char_H3000's:mean_MLexc_mean	-5.8356	4.904	-1.19	0.2356

Number of observations: 188, Error degrees of freedom: 182

Root Mean Squared Error: 0.871

R-squared: 0.112, Adjusted R-Squared: 0.088

F-statistic vs. constant model: 4.61, p-value = 0.000553

###13-alpha\_avg\_power) mean\_MLexc\_mean

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	6.507	2	3.2535	1.9992	0.1384
mean_MLexc_mean	0.58639	1	0.58639	0.36033	0.54907
group_char:mean_MLexc_mean	6.8676	2	3.4338	2.11	0.12419
Error	296.18	182	1.6274		
Total	308.32	187			

Linear regression model:

alpha\_avg\_power ~ 1 + group\_char\*mean\_MLexc\_mean

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	1.2556	0.41525	3.0237	0.002858
group_char_H2000's	-0.83317	0.63592	-1.3102	0.19179
group_char_H3000's	0.49511	0.62483	0.79239	0.42916
mean_MLexc_mean	-0.36696	4.6729	-0.07853	0.93749
group_char_H2000's:mean_MLexc_mean	5.5561	7.0013	0.79358	0.42847
group_char_H3000's:mean_MLexc_mean	-9.7824	7.1816	-1.3622	0.17483

Number of observations: 188, Error degrees of freedom: 182

Root Mean Squared Error: 1.28

R-squared: 0.0394, Adjusted R-Squared: 0.013

F-statistic vs. constant model: 1.49, p-value = 0.195

###13-beta\_avg\_power) mean\_MLexc\_mean

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	4.6365	2	2.3183	2.709	0.069291
mean_MLexc_mean	1.8646	1	1.8646	2.1788	0.14165
group_char:mean_MLexc_mean	4.1421	2	2.0711	2.4201	0.091768
Error	155.75	182	0.85577		
Total	161.78	187			

Linear regression model:

beta\_avg\_power ~ 1 + group\_char\*mean\_MLexc\_mean

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	0.62527	0.30112	2.0765	0.039254
group_char_H2000's	1.0441	0.46115	2.2641	0.024751
group_char_H3000's	0.66577	0.4531	1.4694	0.14346
mean_MLexc_mean	2.8095	3.3886	0.8291	0.40814
group_char_H2000's:mean_MLexc_mean	-10.929	5.0771	-2.1527	0.032658
group_char_H3000's:mean_MLexc_mean	-6.9983	5.2078	-1.3438	0.18068

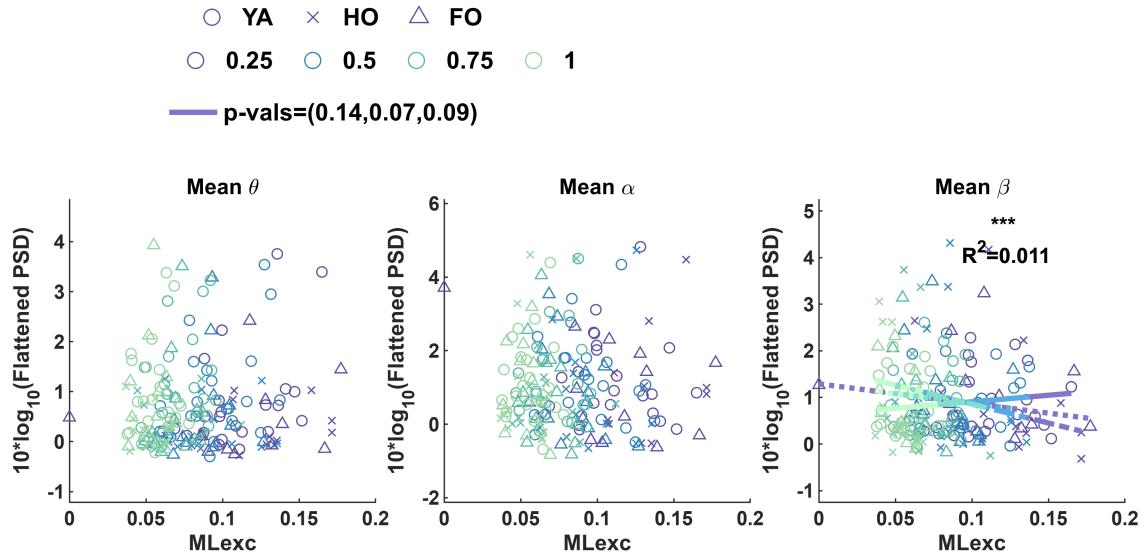
Number of observations: 188, Error degrees of freedom: 182

Root Mean Squared Error: 0.925

R-squared: 0.0373, Adjusted R-Squared: 0.0108

F-statistic vs. constant model: 1.41, p-value = 0.223

## CL13: Cingulum\_Mid\_L



```
###13-theta_avg_power) mean_StepDur
SumOfSquares      DF      MeanSquares      F      pValue
_____          _____          _____          _____          _____
```

group_char	2.8321	2	1.4161	1.8413	0.16155
mean_StepDur	0.018898	1	0.018898	0.024573	0.87561
group_char:mean_StepDur	0.49719	2	0.24859	0.32325	0.72421
Error	139.97	182	0.76906		
Total	155.59	187			

Linear regression model:

```
theta_avg_power ~ 1 + group_char*mean_StepDur
```

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	1.2023	0.28589	4.2054	4.0838e-05
group_char_H2000's	-0.91399	0.56366	-1.6215	0.10664
group_char_H3000's	-0.86453	0.63018	-1.3719	0.17179
mean_StepDur	-0.2512	0.30019	-0.83681	0.4038
group_char_H2000's:mean_StepDur	0.26356	0.69402	0.37977	0.70456
group_char_H3000's:mean_StepDur	0.65784	0.8684	0.75753	0.44971

Number of observations: 188, Error degrees of freedom: 182

Root Mean Squared Error: 0.877

R-squared: 0.1, Adjusted R-Squared: 0.0757

F-statistic vs. constant model: 4.06, p-value = 0.00161

```
###13-alpha_avg_power) mean_StepDur
```

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	8.8812	2	4.4406	2.7328	0.067705
mean_StepDur	0.5108	1	0.5108	0.31435	0.57571
group_char:mean_StepDur	7.2979	2	3.6489	2.2456	0.10879
Error	295.73	182	1.6249		
Total	308.32	187			

Linear regression model:

```
alpha_avg_power ~ 1 + group_char*mean_StepDur
```

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	1.2629	0.41556	3.039	0.0027236
group_char_H2000's	-1.7807	0.81932	-2.1734	0.031045
group_char_H3000's	0.30987	0.91601	0.33828	0.73554
mean_StepDur	-0.042366	0.43635	-0.097091	0.92276
group_char_H2000's:mean_StepDur	1.8878	1.0088	1.8713	0.06291
group_char_H3000's:mean_StepDur	-0.88834	1.2623	-0.70376	0.48248

Number of observations: 188, Error degrees of freedom: 182

Root Mean Squared Error: 1.27

R-squared: 0.0408, Adjusted R-Squared: 0.0145

F-statistic vs. constant model: 1.55, p-value = 0.177

```
###13-beta_avg_power) mean_StepDur
```

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	0.20192	2	0.10096	0.11404	0.89229
mean_StepDur	0.020093	1	0.020093	0.022696	0.88042
group_char:mean_StepDur	0.11549	2	0.057747	0.065227	0.93688
Error	161.13	182	0.88532		
Total	161.78	187			

Linear regression model:

```
beta_avg_power ~ 1 + group_char*mean_StepDur
```

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	0.82942	0.30674	2.704	0.0075015
group_char_H2000's	0.088869	0.60477	0.14695	0.88334
group_char_H3000's	0.32186	0.67614	0.47602	0.63463
mean_StepDur	0.035264	0.32209	0.10949	0.91294
group_char_H2000's:mean_StepDur	0.041999	0.74463	0.056403	0.95508
group_char_H3000's:mean_StepDur	-0.3208	0.93173	-0.34431	0.73101

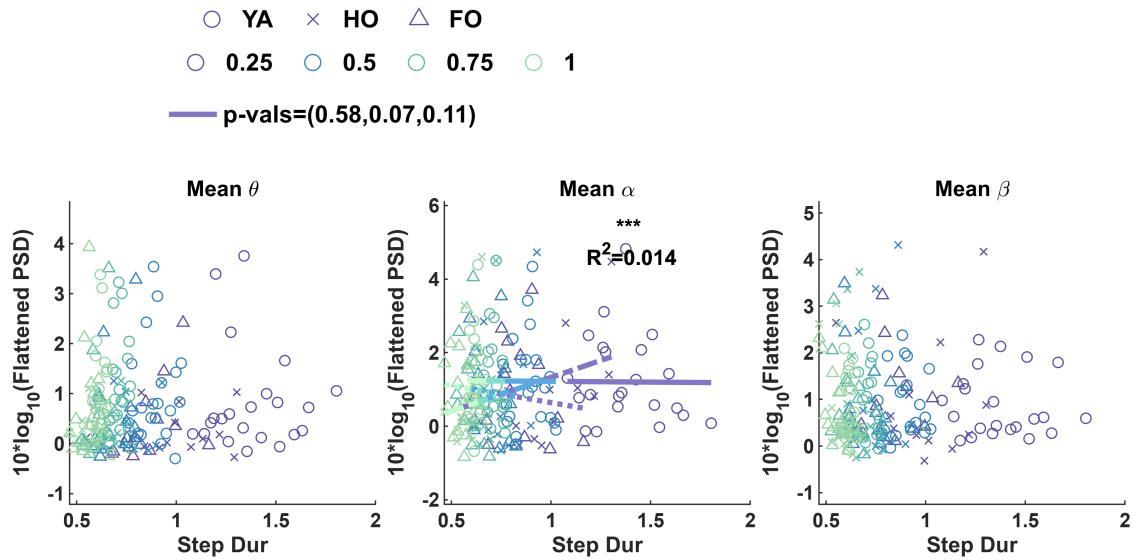
Number of observations: 188, Error degrees of freedom: 182

Root Mean Squared Error: 0.941

R-squared: 0.00403, Adjusted R-Squared: -0.0233

F-statistic vs. constant model: 0.147, p-value = 0.981

## CL13: Cingulum\_Mid\_L



```
###13-theta_avg_power) mean_UDexc_COV
SumOfSquares      DF      MeanSquares      F      pValue
_____           _____           _____           _____
```

group_char	3.094	2	1.547	2.0258	0.13485
mean_UDexc_COV	0.75325	1	0.75325	0.98639	0.32195
group_char:mean_UDexc_COV	0.71672	2	0.35836	0.46927	0.62621
Error	138.98	182	0.76365		
Total	155.59	187			

Linear regression model:

theta\_avg\_power ~ 1 + group\_char\*mean\_UDexc\_COV

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	1.2147	0.22521	5.3937	2.1255e-07
group_char_H2000's	-0.6215	0.41281	-1.5055	0.13392
group_char_H3000's	-0.66615	0.38054	-1.7506	0.081707
mean_UDexc_COV	-0.019285	0.016578	-1.1633	0.24623
group_char_H2000's:mean_UDexc_COV	-0.0020569	0.028559	-0.072022	0.94266
group_char_H3000's:mean_UDexc_COV	0.024166	0.027472	0.87966	0.3802

Number of observations: 188, Error degrees of freedom: 182

Root Mean Squared Error: 0.874

R-squared: 0.107, Adjusted R-Squared: 0.0822

F-statistic vs. constant model: 4.35, p-value = 0.000918

###13-alpha\_avg\_power) mean\_UDexc\_COV

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	3.94	2	1.97	1.2467	0.2899
mean_UDexc_COV	11.308	1	11.308	7.156	0.0081525
group_char:mean_UDexc_COV	9.0154	2	4.5077	2.8526	0.060276
Error	287.6	182	1.5802		
Total	308.32	187			

Linear regression model:

alpha\_avg\_power ~ 1 + group\_char\*mean\_UDexc\_COV

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	1.1447	0.32397	3.5335	0.00051988
group_char_H2000's	0.80218	0.59382	1.3509	0.17842
group_char_H3000's	0.66237	0.5474	1.21	0.22784
mean_UDexc_COV	0.0064697	0.023847	0.2713	0.78647
group_char_H2000's:mean_UDexc_COV	-0.084542	0.041082	-2.0579	0.041025
group_char_H3000's:mean_UDexc_COV	-0.07337	0.039518	-1.8566	0.064984

Number of observations: 188, Error degrees of freedom: 182

Root Mean Squared Error: 1.26

R-squared: 0.0672, Adjusted R-Squared: 0.0416

F-statistic vs. constant model: 2.62, p-value = 0.0257

###13-beta\_avg\_power) mean\_UDexc\_COV

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	1.2824	2	0.64121	0.73021	0.48322
mean_UDexc_COV	0.8432	1	0.8432	0.96023	0.32843
group_char:mean_UDexc_COV	0.88428	2	0.44214	0.50351	0.60525
Error	159.82	182	0.87812		
Total	161.78	187			

Linear regression model:

beta\_avg\_power ~ 1 + group\_char\*mean\_UDexc\_COV

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	0.8398	0.2415	3.4774	0.00063325
group_char_H2000's	0.3007	0.44267	0.67929	0.49781
group_char_H3000's	0.47551	0.40807	1.1653	0.24543
mean_UDexc_COV	0.0017268	0.017777	0.097137	0.92272
group_char_H2000's:mean_UDexc_COV	-0.013587	0.030625	-0.44367	0.65781
group_char_H3000's:mean_UDexc_COV	-0.029414	0.029459	-0.99848	0.31937

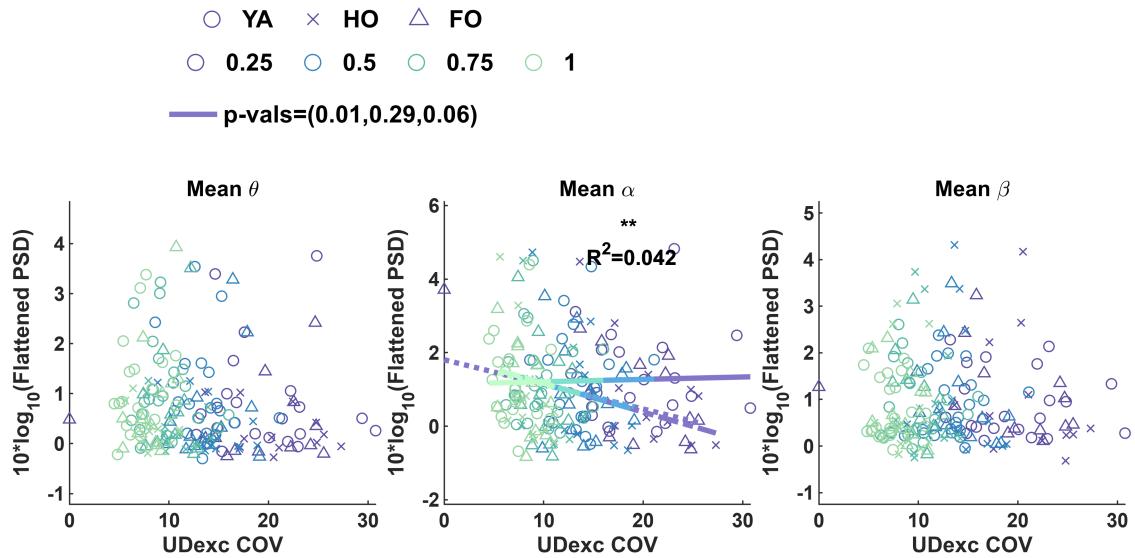
Number of observations: 188, Error degrees of freedom: 182

Root Mean Squared Error: 0.937

R-squared: 0.0121, Adjusted R-Squared: -0.015

F-statistic vs. constant model: 0.447, p-value = 0.815

## CL13: Cingulum\_Mid\_L



```
###13-theta_avg_power) mean_UDexc_mean
SumOfSquares      DF      MeanSquares      F      pValue
_____           _____           _____           _____
```

group_char	3.5357	2	1.7679	2.2922	0.10395
mean_UDexc_mean	0.065774	1	0.065774	0.085283	0.77059
group_char:mean_UDexc_mean	0.30472	2	0.15236	0.19755	0.82091
Error	140.37	182	0.77124		
Total	155.59	187			

Linear regression model:

theta\_avg\_power ~ 1 + group\_char\*mean\_UDexc\_mean

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	1.0666	0.27333	3.9022	0.00013406
group_char_H2000's	-0.91628	0.44037	-2.0807	0.038861
group_char_H3000's	-0.54533	0.41689	-1.3081	0.1925
mean_UDexc_mean	-3.6958	10.498	-0.35204	0.72522
group_char_H2000's:mean_UDexc_mean	9.9306	17.18	0.57802	0.56397
group_char_H3000's:mean_UDexc_mean	7.1191	15.228	0.4675	0.6407

Number of observations: 188, Error degrees of freedom: 182

Root Mean Squared Error: 0.878

R-squared: 0.0979, Adjusted R-Squared: 0.0731

F-statistic vs. constant model: 3.95, p-value = 0.00201

###13-alpha\_avg\_power) mean\_UDexc\_mean

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	3.3719	2	1.6859	1.0233	0.36148
mean_UDexc_mean	0.022232	1	0.022232	0.013493	0.90765
group_char:mean_UDexc_mean	3.4203	2	1.7101	1.0379	0.35627
Error	299.87	182	1.6476		
Total	308.32	187			

Linear regression model:

alpha\_avg\_power ~ 1 + group\_char\*mean\_UDexc\_mean

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	1.1675	0.39951	2.9224	0.0039136
group_char_H2000's	-0.64755	0.64365	-1.0061	0.31572
group_char_H3000's	0.3166	0.60934	0.51958	0.60399
mean_UDexc_mean	2.339	15.344	0.15244	0.87901
group_char_H2000's:mean_UDexc_mean	12.285	25.111	0.48924	0.62526
group_char_H3000's:mean_UDexc_mean	-22.769	22.258	-1.023	0.30768

Number of observations: 188, Error degrees of freedom: 182

Root Mean Squared Error: 1.28

R-squared: 0.0274, Adjusted R-Squared: 0.000685

F-statistic vs. constant model: 1.03, p-value = 0.404

###13-beta\_avg\_power) mean\_UDexc\_mean

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	3.8783	2	1.9391	2.3014	0.10302
mean_UDexc_mean	5.7829	1	5.7829	6.8634	0.0095406
group_char:mean_UDexc_mean	3.3145	2	1.6573	1.9669	0.14285
Error	153.35	182	0.84257		
Total	161.78	187			

Linear regression model:

beta\_avg\_power ~ 1 + group\_char\*mean\_UDexc\_mean

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	0.859	0.28569	3.0067	0.0030142
group_char_H2000's	0.89119	0.46028	1.9362	0.054393
group_char_H3000's	0.71118	0.43575	1.6321	0.10439
mean_UDexc_mean	0.088243	10.973	0.0080419	0.99359
group_char_H2000's:mean_UDexc_mean	-32.864	17.957	-1.8301	0.068873
group_char_H3000's:mean_UDexc_mean	-23.308	15.917	-1.4644	0.14481

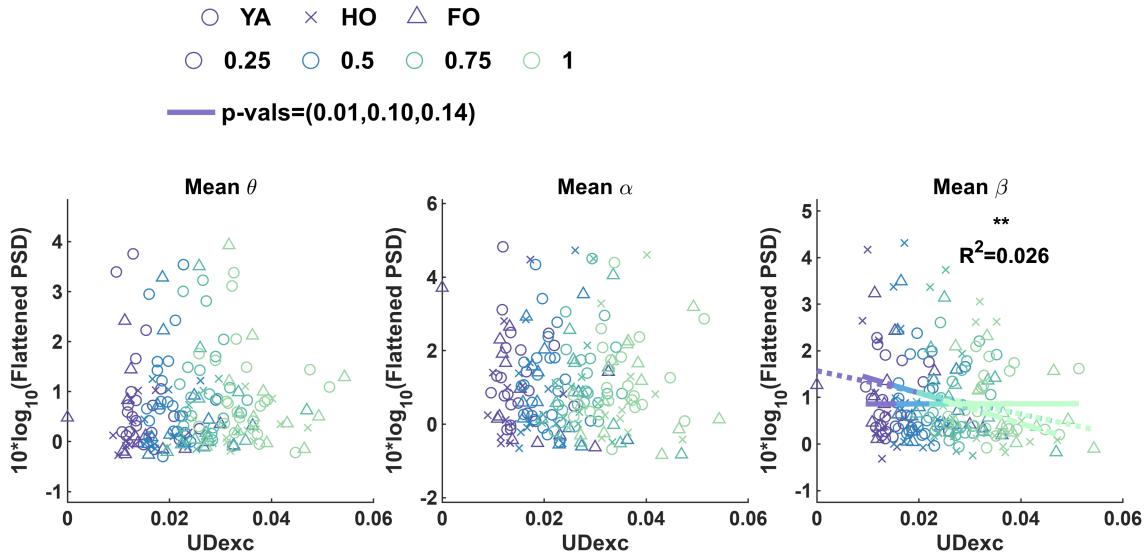
Number of observations: 188, Error degrees of freedom: 182

Root Mean Squared Error: 0.918

R-squared: 0.0521, Adjusted R-Squared: 0.0261

F-statistic vs. constant model: 2, p-value = 0.0805

## CL13: Cingulum\_Mid\_L



##13-theta_avg_power) mean_StanceDur	SumOfSquares	DF	MeanSquares	F	pValue
	_____	_____	_____	_____	_____

group_char	2.7957	2	1.3978	1.8161	0.1656
mean_StanceDur	0.16754	1	0.16754	0.21767	0.64138
group_char:mean_StanceDur	0.13191	2	0.065953	0.085685	0.91792
Error	140.09	182	0.76971		
Total	155.59	187			

Linear regression model:

```
theta_avg_power ~ 1 + group_char*mean_StanceDur
```

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	1.1547	0.23889	4.8337	2.8387e-06
group_char_H2000's	-0.87893	0.46723	-1.8812	0.061546
group_char_H3000's	-0.38313	0.51667	-0.74154	0.45932
mean_StanceDur	-0.14529	0.1789	-0.81213	0.41778
group_char_H2000's:mean_StanceDur	0.16703	0.42037	0.39734	0.69158
group_char_H3000's:mean_StanceDur	-0.028474	0.51129	-0.05569	0.95565

Number of observations: 188, Error degrees of freedom: 182

Root Mean Squared Error: 0.877

R-squared: 0.0997, Adjusted R-Squared: 0.0749

F-statistic vs. constant model: 4.03, p-value = 0.00172

```
###13-alpha_avg_power) mean_StanceDur
```

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	5.9864	2	2.9932	1.8249	0.16417
mean_StanceDur	0.51163	1	0.51163	0.31194	0.57718
group_char:mean_StanceDur	4.4242	2	2.2121	1.3487	0.26216
Error	298.51	182	1.6402		
Total	308.32	187			

Linear regression model:

```
alpha_avg_power ~ 1 + group_char*mean_StanceDur
```

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	1.1918	0.34872	3.4176	0.0007794
group_char_H2000's	-1.232	0.68204	-1.8063	0.072526
group_char_H3000's	0.13396	0.75421	0.17761	0.85923
mean_StanceDur	0.026827	0.26116	0.10273	0.91829
group_char_H2000's:mean_StanceDur	0.87715	0.61364	1.4294	0.1546
group_char_H3000's:mean_StanceDur	-0.43806	0.74636	-0.58692	0.55798

Number of observations: 188, Error degrees of freedom: 182

Root Mean Squared Error: 1.28

R-squared: 0.0318, Adjusted R-Squared: 0.0052

F-statistic vs. constant model: 1.2, p-value = 0.313

```
###13-beta_avg_power) mean_StanceDur
```

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	0.10594	2	0.052972	0.059815	0.94196
mean_StanceDur	0.011692	1	0.011692	0.013203	0.90865
group_char:mean_StanceDur	0.015291	2	0.0076455	0.0086331	0.9914
Error	161.18	182	0.88561		
Total	161.78	187			

Linear regression model:

```
beta_avg_power ~ 1 + group_char*mean_StanceDur
```

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	0.80779	0.25624	3.1524	0.0018941
group_char_H2000's	0.11025	0.50117	0.21998	0.82614
group_char_H3000's	0.17255	0.55421	0.31135	0.75589
mean_StanceDur	0.043439	0.1919	0.22636	0.82117
group_char_H2000's:mean_StanceDur	0.014631	0.45091	0.032448	0.97415
group_char_H3000's:mean_StanceDur	-0.066405	0.54844	-0.12108	0.90376

Number of observations: 188, Error degrees of freedom: 182

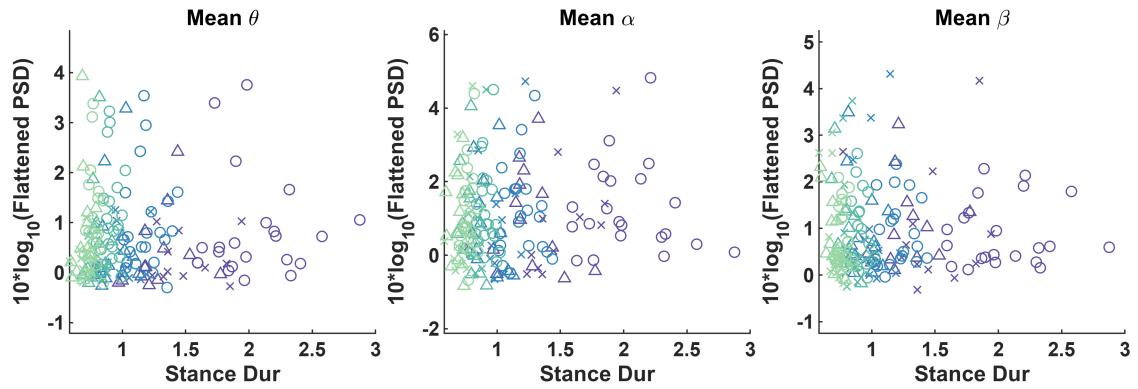
Root Mean Squared Error: 0.941

R-squared: 0.00371, Adjusted R-Squared: -0.0237

F-statistic vs. constant model: 0.136, p-value = 0.984

## CL13: Cingulum\_Mid\_L

○ YA    ✕ HO    △ FO  
 ○ 0.25    ○ 0.5    ○ 0.75    ○ 1



```

###13-theta_avg_power) mean_GaitCycleDur
      SumOfSquares      DF      MeanSquares      F      pValue
      _____      ____      _____      ____      _____

```

group_char	2.8065	2	1.4033	1.8244	0.16425
mean_GaitCycleDur	0.013913	1	0.013913	0.018089	0.89316
group_char:mean_GaitCycleDur	0.47044	2	0.23522	0.30582	0.7369
Error	139.99	182	0.76915		
Total	155.59	187			

Linear regression model:

theta\_avg\_power ~ 1 + group\_char\*mean\_GaitCycleDur

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	1.2025	0.28552	4.2115	3.9841e-05
group_char_H2000's	-0.91323	0.56153	-1.6263	0.10561
group_char_H3000's	-0.84928	0.62896	-1.3503	0.1786
mean_GaitCycleDur	-0.12561	0.14977	-0.8387	0.40274
group_char_H2000's:mean_GaitCycleDur	0.13117	0.34525	0.37992	0.70445
group_char_H3000's:mean_GaitCycleDur	0.31738	0.43307	0.73285	0.46459

Number of observations: 188, Error degrees of freedom: 182

Root Mean Squared Error: 0.877

R-squared: 0.1, Adjusted R-Squared: 0.0756

F-statistic vs. constant model: 4.06, p-value = 0.00162

###13-alpha\_avg\_power) mean\_GaitCycleDur

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	8.8203	2	4.4102	2.7135	0.068989
mean_GaitCycleDur	0.49296	1	0.49296	0.30331	0.58249
group_char:mean_GaitCycleDur	7.2368	2	3.6184	2.2263	0.11086
Error	295.8	182	1.6253		
Total	308.32	187			

Linear regression model:

alpha\_avg\_power ~ 1 + group\_char\*mean\_GaitCycleDur

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	1.2632	0.41504	3.0436	0.0026836
group_char_H2000's	-1.7671	0.81627	-2.1649	0.031701
group_char_H3000's	0.3086	0.91428	0.33754	0.7361
mean_GaitCycleDur	-0.021362	0.21771	-0.098122	0.92194
group_char_H2000's:mean_GaitCycleDur	0.93406	0.50187	1.8612	0.064332
group_char_H3000's:mean_GaitCycleDur	-0.4431	0.62953	-0.70386	0.48242

Number of observations: 188, Error degrees of freedom: 182

Root Mean Squared Error: 1.27

R-squared: 0.0406, Adjusted R-Squared: 0.0142

F-statistic vs. constant model: 1.54, p-value = 0.179

###13-beta\_avg\_power) mean\_GaitCycleDur

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	0.19407	2	0.097037	0.1096	0.89625
mean_GaitCycleDur	0.019551	1	0.019551	0.022083	0.88203
group_char:mean_GaitCycleDur	0.10824	2	0.05412	0.061128	0.94072
Error	161.14	182	0.88536		
Total	161.78	187			

Linear regression model:

beta\_avg\_power ~ 1 + group\_char\*mean\_GaitCycleDur

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	0.83077	0.30633	2.712	0.0073283
group_char_H2000's	0.090863	0.60246	0.15082	0.88029
group_char_H3000's	0.31451	0.6748	0.46608	0.64172
mean_GaitCycleDur	0.016869	0.16068	0.10498	0.91651
group_char_H2000's:mean_GaitCycleDur	0.019503	0.37041	0.052651	0.95807
group_char_H3000's:mean_GaitCycleDur	-0.15512	0.46464	-0.33385	0.73887

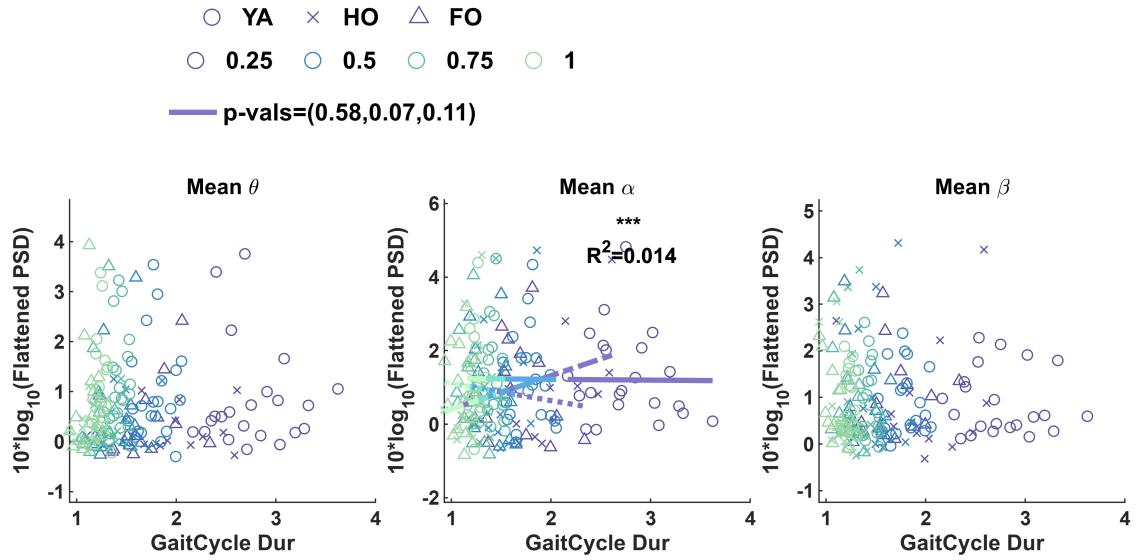
Number of observations: 188, Error degrees of freedom: 182

Root Mean Squared Error: 0.941

R-squared: 0.00398, Adjusted R-Squared: -0.0234

F-statistic vs. constant model: 0.146, p-value = 0.981

## CL13: Cingulum\_Mid\_L



```
###13-theta_avg_power) mean_PeakUpDownVel_mean
SumOfSquares      DF      MeanSquares      F      pValue
-----      -----      -----      -----      -----

```

group_char	3.5188	2	1.7594	2.2786	0.10534
mean_PeakUpDownVel_mean	0.092302	1	0.092302	0.11954	0.72993
group_char:mean_PeakUpDownVel_mean	0.10651	2	0.053254	0.068969	0.93338
Error	140.53	182	0.77214		
Total	155.59	187			

Linear regression model:

theta\_avg\_power ~ 1 + group\_char\*mean\_PeakUpDownVel\_mean

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	0.96568	0.22298	4.3309	2.4499e-05
group_char_H2000's	-0.79458	0.37454	-2.1215	0.035234
group_char_H3000's	-0.36236	0.36486	-0.99315	0.32195
mean_PeakUpDownVel_mean	0.043868	0.84348	0.052008	0.95858
group_char_H2000's:mean_PeakUpDownVel_mean	0.45248	1.3633	0.33189	0.74035
group_char_H3000's:mean_PeakUpDownVel_mean	-0.015645	1.2473	-0.012543	0.99001

Number of observations: 188, Error degrees of freedom: 182

Root Mean Squared Error: 0.879

R-squared: 0.0968, Adjusted R-Squared: 0.072

F-statistic vs. constant model: 3.9, p-value = 0.0022

##13-alpha\_avg\_power) mean\_PeakUpDownVel\_mean

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	1.5014	2	0.75069	0.45411	0.63573
mean_PeakUpDownVel_mean	0.74535	1	0.74535	0.45087	0.50277
group_char:mean_PeakUpDownVel_mean	1.7438	2	0.87188	0.52741	0.59103
Error	300.87	182	1.6531		
Total	308.32	187			

Linear regression model:

alpha\_avg\_power ~ 1 + group\_char\*mean\_PeakUpDownVel\_mean

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	1.2231	0.32626	3.7488	0.00023852
group_char_H2000's	-0.37162	0.54802	-0.67811	0.49856
group_char_H3000's	0.20127	0.53386	0.377	0.70661
mean_PeakUpDownVel_mean	0.0070082	1.2342	0.0056784	0.99548
group_char_H2000's:mean_PeakUpDownVel_mean	0.047534	1.9948	0.023828	0.98102
group_char_H3000's:mean_PeakUpDownVel_mean	-1.6839	1.8251	-0.92263	0.35742

Number of observations: 188, Error degrees of freedom: 182

Root Mean Squared Error: 1.29

R-squared: 0.0242, Adjusted R-Squared: -0.00265

F-statistic vs. constant model: 0.901, p-value = 0.482

##13-beta\_avg\_power) mean\_PeakUpDownVel\_mean

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	1.7656	2	0.88282	1.0165	0.36389
mean_PeakUpDownVel_mean	2.5573	1	2.5573	2.9446	0.087865
group_char:mean_PeakUpDownVel_mean	1.1304	2	0.56519	0.6508	0.52284
Error	158.06	182	0.86845		
Total	161.78	187			

Linear regression model:

beta\_avg\_power ~ 1 + group\_char\*mean\_PeakUpDownVel\_mean

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	0.89432	0.23647	3.7819	0.00021092
group_char_H2000's	0.5199	0.39721	1.3089	0.19222
group_char_H3000's	0.38813	0.38694	1.0031	0.31716
mean_PeakUpDownVel_mean	-0.13824	0.89454	-0.15454	0.87735
group_char_H2000's:mean_PeakUpDownVel_mean	-1.5809	1.4459	-1.0934	0.27565
group_char_H3000's:mean_PeakUpDownVel_mean	-0.99638	1.3228	-0.75321	0.4523

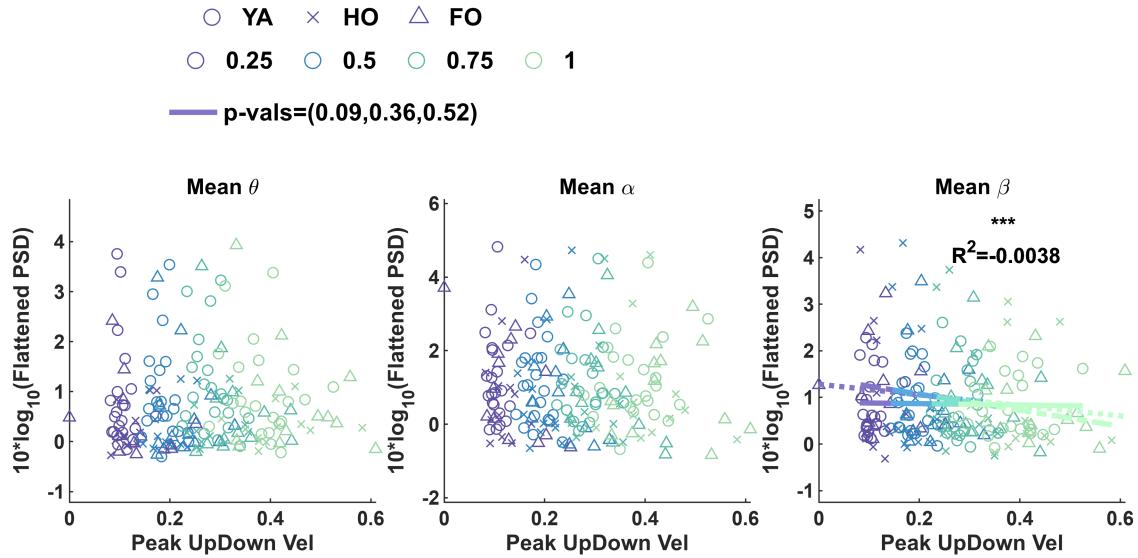
Number of observations: 188, Error degrees of freedom: 182

Root Mean Squared Error: 0.932

R-squared: 0.023, Adjusted R-Squared: -0.00383

F-statistic vs. constant model: 0.857, p-value = 0.511

## CL13: Cingulum\_Mid\_L



```
###14-theta_avg_power) mean_APexc_COV
SumOfSquares   DF      MeanSquares      F      pValue
_____        _____        _____        _____
```

group_char	1.5464	2	0.7732	0.8398	0.43319
mean_APexc_COV	3.4249	1	3.4249	3.7199	0.055066
group_char:mean_APexc_COV	0.7305	2	0.36525	0.39671	0.67301
Error	200.71	218	0.9207		
Total	243.72	223			

Linear regression model:

```
theta_avg_power ~ 1 + group_char*mean_APexc_COV
```

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	0.53056	0.41376	1.2823	0.2011
group_char_H2000's	-0.43496	0.67994	-0.63971	0.52303
group_char_H3000's	-0.74463	0.57573	-1.2934	0.19725
mean_APexc_COV	0.041106	0.025375	1.6199	0.1067
group_char_H2000's:mean_APexc_COV	-0.03102	0.035007	-0.88611	0.37654
group_char_H3000's:mean_APexc_COV	-0.018422	0.029759	-0.61903	0.53654

Number of observations: 224, Error degrees of freedom: 218

Root Mean Squared Error: 0.96

R-squared: 0.176, Adjusted R-Squared: 0.158

F-statistic vs. constant model: 9.34, p-value = 4.44e-08

```
###14-alpha_avg_power) mean_APexc_COV
```

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	8.8517	2	4.4258	1.234	0.29315
mean_APexc_COV	0.072878	1	0.072878	0.02032	0.88678
group_char:mean_APexc_COV	10.441	2	5.2203	1.4555	0.23554
Error	781.87	218	3.5866		
Total	794.85	223			

Linear regression model:

```
alpha_avg_power ~ 1 + group_char*mean_APexc_COV
```

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	2.2866	0.81663	2.8001	0.0055673
group_char_H2000's	-1.7061	1.342	-1.2713	0.20497
group_char_H3000's	-1.5749	1.1363	-1.386	0.16718
mean_APexc_COV	-0.069032	0.050084	-1.3783	0.16951
group_char_H2000's:mean_APexc_COV	0.10763	0.069093	1.5578	0.12073
group_char_H3000's:mean_APexc_COV	0.088687	0.058736	1.5099	0.13251

Number of observations: 224, Error degrees of freedom: 218

Root Mean Squared Error: 1.89

R-squared: 0.0163, Adjusted R-Squared: -0.00623

F-statistic vs. constant model: 0.724, p-value = 0.606

```
###14-beta_avg_power) mean_APexc_COV
```

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	7.0311	2	3.5156	1.3054	0.27317
mean_APexc_COV	0.67895	1	0.67895	0.25211	0.6161
group_char:mean_APexc_COV	12.309	2	6.1547	2.2854	0.10416
Error	587.08	218	2.693		
Total	671.32	223			

Linear regression model:

```
beta_avg_power ~ 1 + group_char*mean_APexc_COV
```

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	2.6618	0.70763	3.7616	0.00021694
group_char_H2000's	-1.681	1.1629	-1.4456	0.14973
group_char_H3000's	0.016752	0.98465	0.017013	0.98644
mean_APexc_COV	-0.080387	0.043399	-1.8523	0.065336
group_char_H2000's:mean_APexc_COV	0.1255	0.059871	2.0962	0.037219
group_char_H3000's:mean_APexc_COV	0.082769	0.050896	1.6262	0.10535

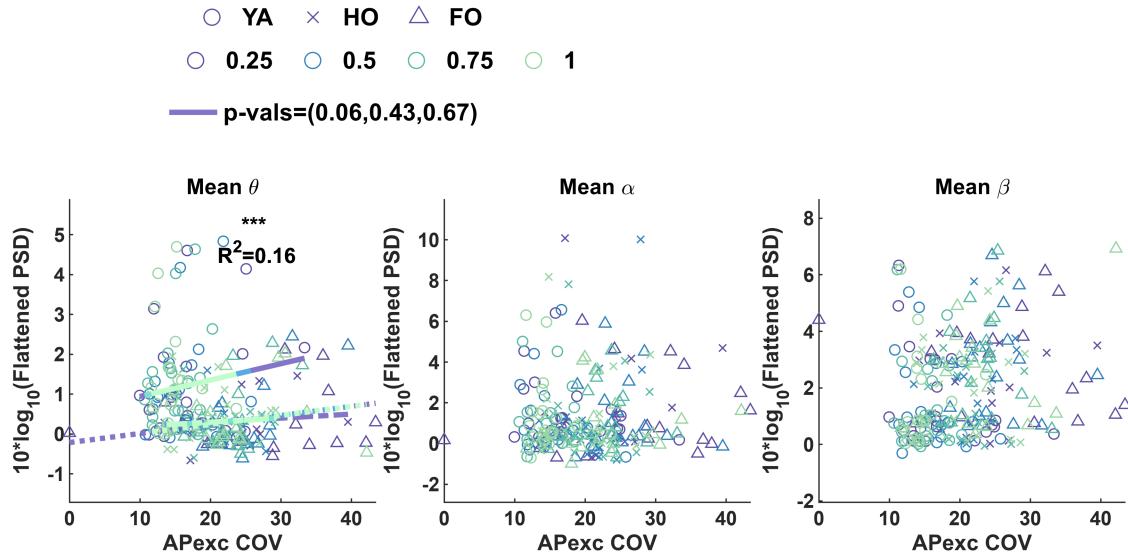
Number of observations: 224, Error degrees of freedom: 218

Root Mean Squared Error: 1.64

R-squared: 0.125, Adjusted R-Squared: 0.105

F-statistic vs. constant model: 6.26, p-value = 1.91e-05

## CL14: Paracentral\_Lobule\_L



```
###14-theta_avg_power) mean_APexc_mean
SumOfSquares      DF      MeanSquares      F      pValue
_____           _____           _____           _____           _____
```

group_char	2.8557	2	1.4279	1.5282	0.21924
mean_APexc_mean	0.38741	1	0.38741	0.41463	0.5203
group_char:mean_APexc_mean	1.0658	2	0.53291	0.57036	0.56616
Error	203.69	218	0.93434		
Total	243.72	223			

Linear regression model:

theta\_avg\_power ~ 1 + group\_char\*mean\_APexc\_mean

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	1.2235	0.38307	3.194	0.0016108
group_char_H2000's	-0.98295	0.56473	-1.7406	0.08317
group_char_H3000's	-0.51994	0.48828	-1.0649	0.28812
mean_APexc_mean	-0.79133	6.7063	-0.118	0.90618
group_char_H2000's:mean_APexc_mean	2.4243	10.937	0.22166	0.82478
group_char_H3000's:mean_APexc_mean	-8.5213	9.9208	-0.85893	0.39132

Number of observations: 224, Error degrees of freedom: 218

Root Mean Squared Error: 0.967

R-squared: 0.164, Adjusted R-Squared: 0.145

F-statistic vs. constant model: 8.57, p-value = 1.99e-07

###14-alpha\_avg\_power) mean\_APexc\_mean

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	13.763	2	6.8813	1.9249	0.14836
mean_APexc_mean	3.5778	1	3.5778	1.0008	0.31823
group_char:mean_APexc_mean	11.479	2	5.7393	1.6055	0.20316
Error	779.33	218	3.5749		
Total	794.85	223			

Linear regression model:

alpha\_avg\_power ~ 1 + group\_char\*mean\_APexc\_mean

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	1.2231	0.74931	1.6324	0.10405
group_char_H2000's	1.6505	1.1046	1.4942	0.13657
group_char_H3000's	-0.26885	0.95509	-0.28149	0.7786
mean_APexc_mean	-0.4935	13.118	-0.037621	0.97002
group_char_H2000's:mean_APexc_mean	-31.088	21.393	-1.4532	0.14761
group_char_H3000's:mean_APexc_mean	6.8258	19.406	0.35175	0.72537

Number of observations: 224, Error degrees of freedom: 218

Root Mean Squared Error: 1.89

R-squared: 0.0195, Adjusted R-Squared: -0.00295

F-statistic vs. constant model: 0.869, p-value = 0.503

###14-beta\_avg\_power) mean\_APexc\_mean

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	9.8351	2	4.9176	1.7948	0.16861
mean_APexc_mean	0.23567	1	0.23567	0.086014	0.76959
group_char:mean_APexc_mean	2.2287	2	1.1144	0.40671	0.66634
Error	597.3	218	2.7399		
Total	671.32	223			

Linear regression model:

beta\_avg\_power ~ 1 + group\_char\*mean\_APexc\_mean

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	1.1609	0.65599	1.7697	0.078167
group_char_H2000's	1.3644	0.96706	1.4108	0.15972
group_char_H3000's	1.523	0.83615	1.8214	0.069913
mean_APexc_mean	4.1959	11.484	0.36537	0.71519
group_char_H2000's:mean_APexc_mean	-16.393	18.729	-0.87529	0.38238
group_char_H3000's:mean_APexc_mean	-2.8016	16.989	-0.16491	0.86917

Number of observations: 224, Error degrees of freedom: 218

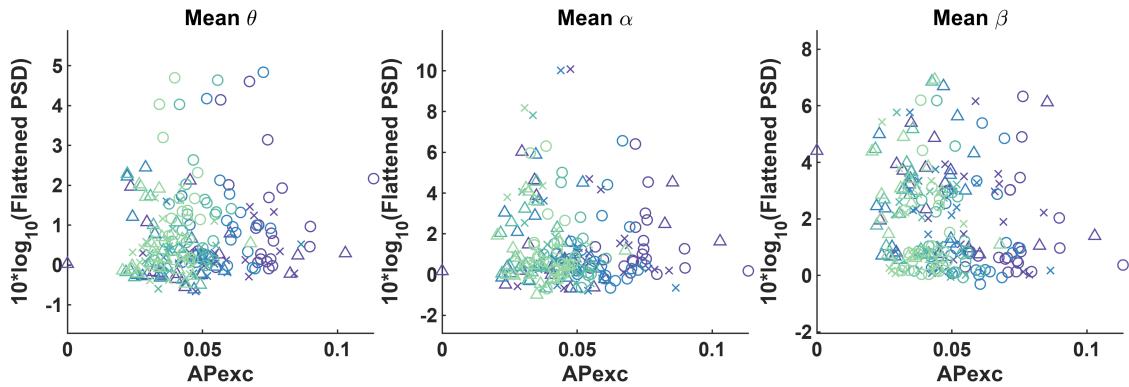
Root Mean Squared Error: 1.66

R-squared: 0.11, Adjusted R-Squared: 0.0898

F-statistic vs. constant model: 5.4, p-value = 0.000105

## CL14: Paracentral\_Lobule\_L

○ YA    ✕ HO    △ FO  
 ○ 0.25    ○ 0.5    ○ 0.75    ○ 1



```

###14-theta_avg_power) mean_MLexc_COV
      SumOfSquares      DF      MeanSquares      F      pValue

```

group_char	3.9619	2	1.981	2.1462	0.11939
mean_MLexc_COV	3.8872	1	3.8872	4.2116	0.041344
group_char:mean_MLexc_COV	0.058492	2	0.029246	0.031686	0.96882
Error	201.21	218	0.92299		
Total	243.72	223			

Linear regression model:

```
theta_avg_power ~ 1 + group_char*mean_MLexc_COV
```

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	0.78572	0.32125	2.4459	0.015243
group_char_H2000's	-0.89825	0.46745	-1.9216	0.05596
group_char_H3000's	-0.75004	0.47506	-1.5788	0.11582
mean_MLexc_COV	0.028463	0.021981	1.2949	0.19673
group_char_H2000's:mean_MLexc_COV	0.003787	0.03249	0.11656	0.90732
group_char_H3000's:mean_MLexc_COV	-0.0049295	0.033359	-0.14777	0.88266

Number of observations: 224, Error degrees of freedom: 218

Root Mean Squared Error: 0.961

R-squared: 0.174, Adjusted R-Squared: 0.155

F-statistic vs. constant model: 9.21, p-value = 5.73e-08

```
###14-alpha_avg_power) mean_MLexc_COV
```

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	3.8529	2	1.9264	0.53566	0.58605
mean_MLexc_COV	2.0819	1	2.0819	0.57889	0.44757
group_char:mean_MLexc_COV	5.7087	2	2.8543	0.79366	0.45349
Error	784.02	218	3.5964		
Total	794.85	223			

Linear regression model:

```
alpha_avg_power ~ 1 + group_char*mean_MLexc_COV
```

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	2.1064	0.63412	3.3218	0.0010486
group_char_H2000's	-0.8258	0.92271	-0.89497	0.37179
group_char_H3000's	-0.82175	0.93774	-0.87631	0.38183
mean_MLexc_COV	-0.065725	0.043389	-1.5148	0.13128
group_char_H2000's:mean_MLexc_COV	0.076419	0.064133	1.1916	0.23473
group_char_H3000's:mean_MLexc_COV	0.059102	0.065849	0.89754	0.37042

Number of observations: 224, Error degrees of freedom: 218

Root Mean Squared Error: 1.9

R-squared: 0.0136, Adjusted R-Squared: -0.00899

F-statistic vs. constant model: 0.603, p-value = 0.698

```
###14-beta_avg_power) mean_MLexc_COV
```

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	6.1743	2	3.0872	1.1434	0.32065
mean_MLexc_COV	10.327	1	10.327	3.8247	0.051779
group_char:mean_MLexc_COV	0.41966	2	0.20983	0.077713	0.92526
Error	588.62	218	2.7001		
Total	671.32	223			

Linear regression model:

```
beta_avg_power ~ 1 + group_char*mean_MLexc_COV
```

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	1.9957	0.54945	3.6321	0.00035044
group_char_H2000's	0.74332	0.7995	0.92973	0.35354
group_char_H3000's	1.2091	0.81252	1.4881	0.13818
mean_MLexc_COV	-0.043595	0.037596	-1.1596	0.24749
group_char_H2000's:mean_MLexc_COV	-0.014714	0.05557	-0.26479	0.79142
group_char_H3000's:mean_MLexc_COV	0.0081828	0.057056	0.14342	0.88609

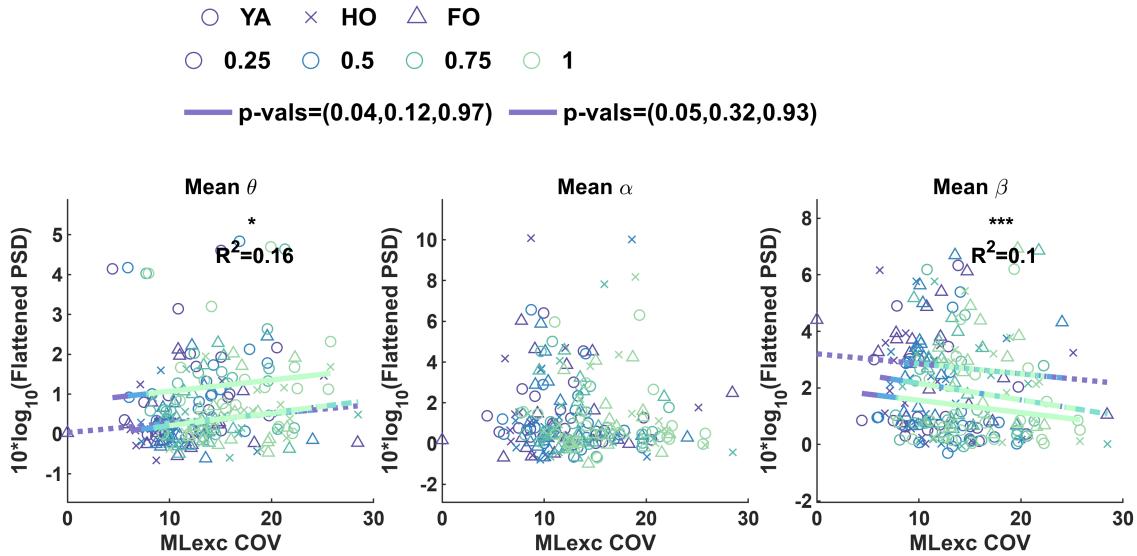
Number of observations: 224, Error degrees of freedom: 218

Root Mean Squared Error: 1.64

R-squared: 0.123, Adjusted R-Squared: 0.103

F-statistic vs. constant model: 6.13, p-value = 2.47e-05

## CL14: Paracentral\_Lobule\_L



```
###14-theta_avg_power) mean_MLexc_mean
SumOfSquares      DF      MeanSquares      F      pValue
-----      -----      -----      -----      -----

```

group_char	0.99619	2	0.49809	0.53299	0.58761
mean_MLexc_mean	0.016004	1	0.016004	0.017125	0.89601
group_char:mean_MLexc_mean	1.5181	2	0.75904	0.81221	0.44521
Error	203.73	218	0.93453		
Total	243.72	223			

Linear regression model:

theta\_avg\_power ~ 1 + group\_char\*mean\_MLexc\_mean

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	0.86054	0.31846	2.7022	0.0074311
group_char_H2000's	-0.38181	0.45105	-0.8465	0.3982
group_char_H3000's	-0.40154	0.42217	-0.95115	0.34258
mean_MLexc_mean	3.7832	3.5685	1.0602	0.29024
group_char_H2000's:mean_MLexc_mean	-5.5225	4.7617	-1.1598	0.24741
group_char_H3000's:mean_MLexc_mean	-5.0948	4.6232	-1.102	0.27167

Number of observations: 224, Error degrees of freedom: 218

Root Mean Squared Error: 0.967

R-squared: 0.164, Adjusted R-Squared: 0.145

F-statistic vs. constant model: 8.56, p-value = 2.03e-07

##14-alpha\_avg\_power) mean\_MLexc\_mean

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	7.7593	2	3.8796	1.0758	0.34283
mean_MLexc_mean	0.49369	1	0.49369	0.1369	0.71175
group_char:mean_MLexc_mean	6.0166	2	3.0083	0.83416	0.43562
Error	786.19	218	3.6064		
Total	794.85	223			

Linear regression model:

alpha\_avg\_power ~ 1 + group\_char\*mean\_MLexc\_mean

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	1.317	0.6256	2.1051	0.036424
group_char_H2000's	0.74144	0.88605	0.83679	0.40363
group_char_H3000's	-0.47598	0.82932	-0.57394	0.5666
mean_MLexc_mean	-1.4327	7.01	-0.20438	0.83825
group_char_H2000's:mean_MLexc_mean	-5.347	9.3541	-0.57162	0.56817
group_char_H3000's:mean_MLexc_mean	5.5778	9.0819	0.61417	0.53974

Number of observations: 224, Error degrees of freedom: 218

Root Mean Squared Error: 1.9

R-squared: 0.0109, Adjusted R-Squared: -0.0118

F-statistic vs. constant model: 0.481, p-value = 0.791

##14-beta\_avg\_power) mean\_MLexc\_mean

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	15.59	2	7.7948	2.8414	0.060508
mean_MLexc_mean	0.18423	1	0.18423	0.067157	0.79577
group_char:mean_MLexc_mean	1.2392	2	0.6196	0.22586	0.79802
Error	598.04	218	2.7433		
Total	671.32	223			

Linear regression model:

beta\_avg\_power ~ 1 + group\_char\*mean\_MLexc\_mean

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	1.4073	0.54563	2.5792	0.01056
group_char_H2000's	0.43937	0.77279	0.56855	0.57025
group_char_H3000's	1.6363	0.72331	2.2622	0.024671
mean_MLexc_mean	-0.18364	6.114	-0.030036	0.97607
group_char_H2000's:mean_MLexc_mean	1.4444	8.1584	0.17705	0.85964
group_char_H3000's:mean_MLexc_mean	-3.3781	7.921	-0.42647	0.67019

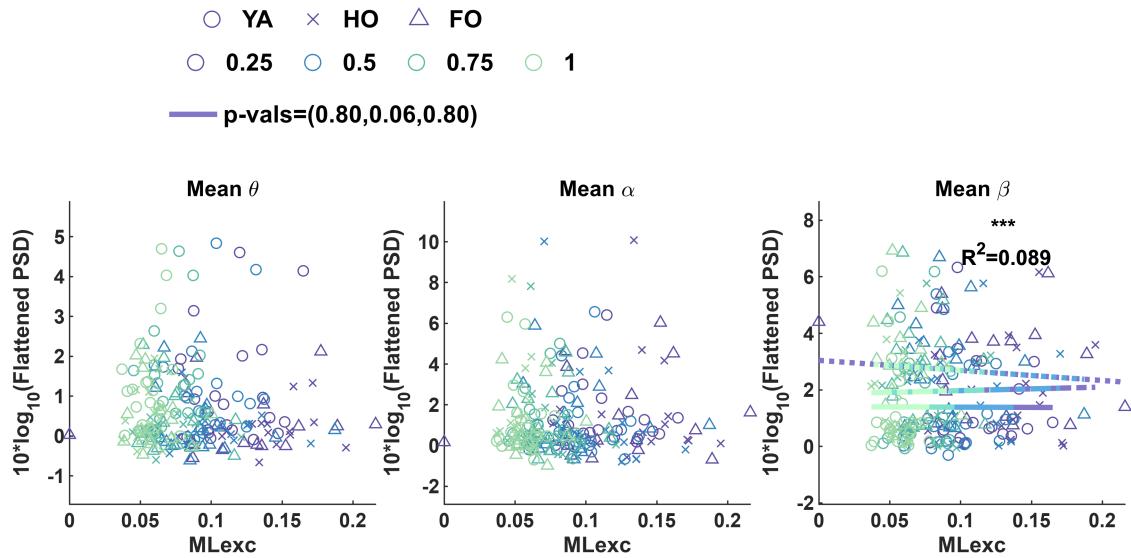
Number of observations: 224, Error degrees of freedom: 218

Root Mean Squared Error: 1.66

R-squared: 0.109, Adjusted R-Squared: 0.0887

F-statistic vs. constant model: 5.34, p-value = 0.000118

## CL14: Paracentral\_Lobule\_L



##14-theta_avg_power) mean_StepDur	SumOfSquares	DF	MeanSquares	F	pValue
	_____	___	_____	_____	_____

group_char	2.2739	2	1.1369	1.2199	0.29726
mean_StepDur	1.5696	1	1.5696	1.6842	0.19574
group_char:mean_StepDur	1.1844	2	0.59219	0.63541	0.5307
Error	203.17	218	0.93198		
Total	243.72	223			

Linear regression model:

theta\_avg\_power ~ 1 + group\_char\*mean\_StepDur

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	1.2832	0.30658	4.1856	4.1257e-05
group_char_H2000's	-0.84667	0.54356	-1.5576	0.12077
group_char_H3000's	-0.32884	0.53822	-0.61097	0.54185
mean_StepDur	-0.11257	0.31496	-0.3574	0.72114
group_char_H2000's:mean_StepDur	-0.042692	0.63823	-0.066891	0.94673
group_char_H3000's:mean_StepDur	-0.7831	0.70402	-1.1123	0.26723

Number of observations: 224, Error degrees of freedom: 218

Root Mean Squared Error: 0.965

R-squared: 0.166, Adjusted R-Squared: 0.147

F-statistic vs. constant model: 8.7, p-value = 1.54e-07

##14-alpha\_avg\_power) mean\_StepDur

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	3.6398	2	1.8199	0.50215	0.60592
mean_StepDur	0.11425	1	0.11425	0.031523	0.85924
group_char:mean_StepDur	2.3959	2	1.1979	0.33054	0.71889
Error	790.08	218	3.6242		
Total	794.85	223			

Linear regression model:

alpha\_avg\_power ~ 1 + group\_char\*mean\_StepDur

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	0.9291	0.60456	1.5368	0.12579
group_char_H2000's	1.0616	1.0719	0.99037	0.32309
group_char_H3000's	0.1837	1.0614	0.17308	0.86275
mean_StepDur	0.29108	0.6211	0.46866	0.63978
group_char_H2000's:mean_StepDur	-1.0205	1.2586	-0.81082	0.41835
group_char_H3000's:mean_StepDur	-0.16667	1.3883	-0.12005	0.90455

Number of observations: 224, Error degrees of freedom: 218

Root Mean Squared Error: 1.9

R-squared: 0.00601, Adjusted R-Squared: -0.0168

F-statistic vs. constant model: 0.264, p-value = 0.933

##14-beta\_avg\_power) mean\_StepDur

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	6.0857	2	3.0428	1.1128	0.3305
mean_StepDur	1.0809	1	1.0809	0.39527	0.5302
group_char:mean_StepDur	1.9383	2	0.96917	0.35443	0.70197
Error	596.11	218	2.7344		
Total	671.32	223			

Linear regression model:

beta\_avg\_power ~ 1 + group\_char\*mean\_StepDur

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	1.044	0.52513	1.9881	0.048047
group_char_H2000's	1.1532	0.93107	1.2386	0.21684
group_char_H3000's	1.0929	0.92192	1.1854	0.23714
mean_StepDur	0.37927	0.5395	0.703	0.48281
group_char_H2000's:mean_StepDur	-0.67755	1.0932	-0.61978	0.53605
group_char_H3000's:mean_StepDur	0.50524	1.2059	0.41896	0.67566

Number of observations: 224, Error degrees of freedom: 218

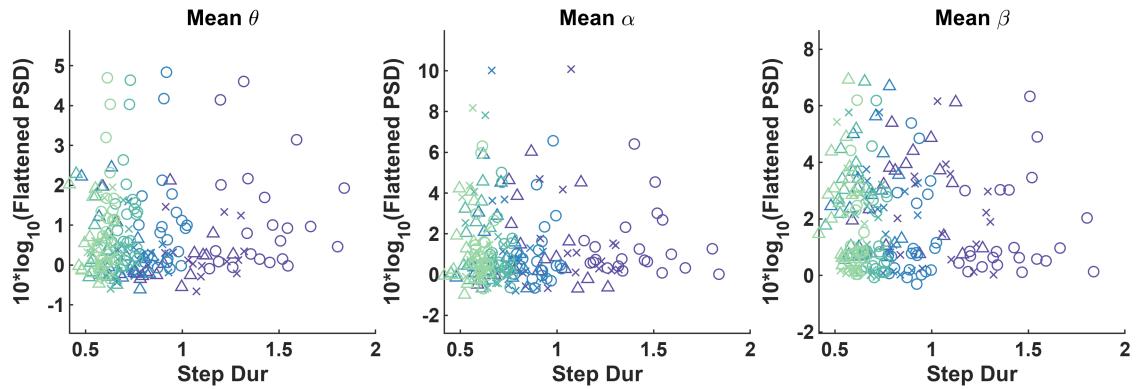
Root Mean Squared Error: 1.65

R-squared: 0.112, Adjusted R-Squared: 0.0917

F-statistic vs. constant model: 5.5, p-value = 8.61e-05

## CL14: Paracentral\_Lobule\_L

○ YA    ✕ HO    △ FO  
 ○ 0.25    ○ 0.5    ○ 0.75    ○ 1



```

###14-theta_avg_power) mean_UDexc_COV
      SumOfSquares      DF      MeanSquares          F      pValue

```

group_char	4.752	2	2.376	2.5382	0.081341
mean_UDexc_COV	0.73408	1	0.73408	0.7842	0.37684
group_char:mean_UDexc_COV	0.39586	2	0.19793	0.21144	0.80958
Error	204.07	218	0.93609		
Total	243.72	223			

Linear regression model:

theta\_avg\_power ~ 1 + group\_char\*mean\_UDexc\_COV

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	0.98066	0.2635	3.7216	0.00025192
group_char_H2000's	-0.6579	0.40026	-1.6437	0.10168
group_char_H3000's	-0.85981	0.41129	-2.0905	0.037733
mean_UDexc_COV	0.01599	0.01945	0.82209	0.41192
group_char_H2000's:mean_UDexc_COV	-0.016546	0.028977	-0.57099	0.56859
group_char_H3000's:mean_UDexc_COV	0.00067165	0.029192	0.023008	0.98166

Number of observations: 224, Error degrees of freedom: 218

Root Mean Squared Error: 0.968

R-squared: 0.163, Adjusted R-Squared: 0.143

F-statistic vs. constant model: 8.47, p-value = 2.41e-07

##14-alpha\_avg\_power) mean\_UDexc\_COV

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	0.47948	2	0.23974	0.06659	0.9356
mean_UDexc_COV	7.0151	1	7.0151	1.9485	0.16417
group_char:mean_UDexc_COV	0.74333	2	0.37167	0.10323	0.90196
Error	784.86	218	3.6003		
Total	794.85	223			

Linear regression model:

alpha\_avg\_power ~ 1 + group\_char\*mean\_UDexc\_COV

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	1.5572	0.51676	3.0134	0.0028893
group_char_H2000's	0.14807	0.78496	0.18863	0.85056
group_char_H3000's	0.29265	0.80661	0.36282	0.71709
mean_UDexc_COV	-0.028974	0.038144	-0.7596	0.44832
group_char_H2000's:mean_UDexc_COV	0.00697	0.056829	0.12265	0.9025
group_char_H3000's:mean_UDexc_COV	-0.019263	0.057249	-0.33648	0.73684

Number of observations: 224, Error degrees of freedom: 218

Root Mean Squared Error: 1.9

R-squared: 0.0126, Adjusted R-Squared: -0.0101

F-statistic vs. constant model: 0.555, p-value = 0.734

##14-beta\_avg\_power) mean\_UDexc\_COV

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	16.42	2	8.2099	3.0616	0.048829
mean_UDexc_COV	14.696	1	14.696	5.4804	0.020134
group_char:mean_UDexc_COV	0.8507	2	0.42535	0.15862	0.85342
Error	584.58	218	2.6815		
Total	671.32	223			

Linear regression model:

beta\_avg\_power ~ 1 + group\_char\*mean\_UDexc\_COV

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	1.7928	0.44598	4.02	8.0184e-05
group_char_H2000's	0.87546	0.67744	1.2923	0.19762
group_char_H3000's	1.7114	0.69612	2.4584	0.014734
mean_UDexc_COV	-0.03217	0.032919	-0.97724	0.32953
group_char_H2000's:mean_UDexc_COV	-0.022583	0.049045	-0.46046	0.64564
group_char_H3000's:mean_UDexc_COV	-0.024508	0.049407	-0.49605	0.62036

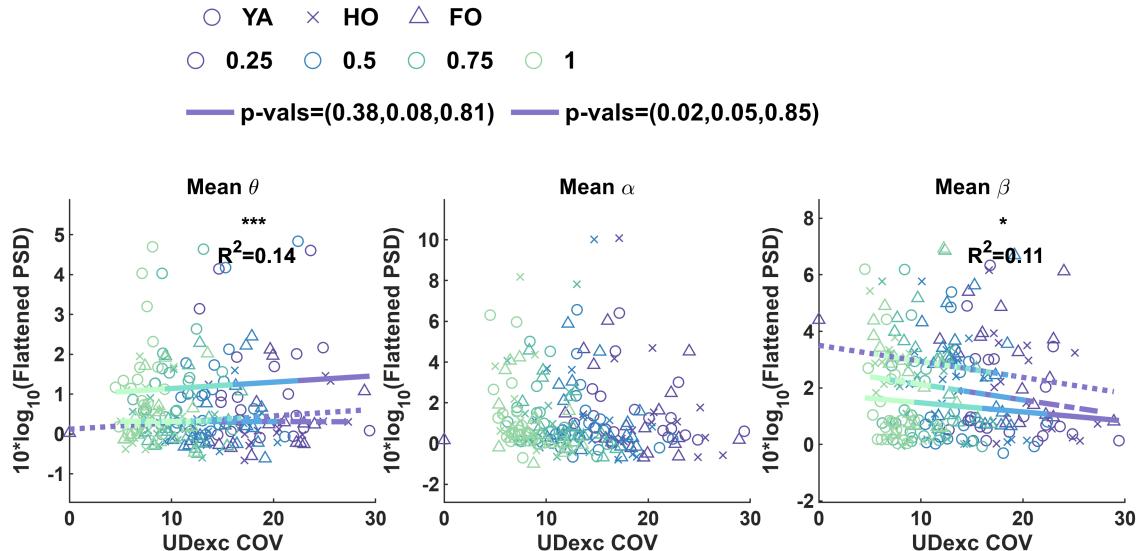
Number of observations: 224, Error degrees of freedom: 218

Root Mean Squared Error: 1.64

R-squared: 0.129, Adjusted R-Squared: 0.109

F-statistic vs. constant model: 6.47, p-value = 1.25e-05

## CL14: Paracentral\_Lobule\_L



```
###14-theta_avg_power) mean_UDexc_mean
SumOfSquares      DF      MeanSquares      F      pValue
-----      -----      -----      -----      -----

```

group_char	10.907	2	5.4534	5.852	0.0033448
mean_UDexc_mean	0.032608	1	0.032608	0.034991	0.85179
group_char:mean_UDexc_mean	2.041	2	1.0205	1.0951	0.33633
Error	203.15	218	0.93188		
Total	243.72	223			

Linear regression model:

theta\_avg\_power ~ 1 + group\_char\*mean\_UDexc\_mean

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	1.4404	0.29095	4.9506	1.4802e-06
group_char_H2000's	-1.4436	0.43677	-3.3053	0.0011092
group_char_H3000's	-0.96422	0.41472	-2.325	0.020993
mean_UDexc_mean	-10.832	11.322	-0.95674	0.33976
group_char_H2000's:mean_UDexc_mean	23.423	16.459	1.4231	0.15614
group_char_H3000's:mean_UDexc_mean	5.3052	16.214	0.32721	0.74382

Number of observations: 224, Error degrees of freedom: 218

Root Mean Squared Error: 0.965

R-squared: 0.166, Adjusted R-Squared: 0.147

F-statistic vs. constant model: 8.71, p-value = 1.52e-07

##14-alpha\_avg\_power) mean\_UDexc\_mean

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	6.244	2	3.122	0.86546	0.4223
mean_UDexc_mean	1.5958	1	1.5958	0.44238	0.50668
group_char:mean_UDexc_mean	4.6287	2	2.3144	0.64157	0.52745
Error	786.39	218	3.6073		
Total	794.85	223			

Linear regression model:

alpha\_avg\_power ~ 1 + group\_char\*mean\_UDexc\_mean

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	1.4612	0.57243	2.5527	0.011373
group_char_H2000's	0.62178	0.85933	0.72356	0.47011
group_char_H3000's	-0.51675	0.81596	-0.6333	0.5272
mean_UDexc_mean	-11.035	22.275	-0.49539	0.62082
group_char_H2000's:mean_UDexc_mean	-15.041	32.384	-0.46446	0.64278
group_char_H3000's:mean_UDexc_mean	21.791	31.9	0.68309	0.49528

Number of observations: 224, Error degrees of freedom: 218

Root Mean Squared Error: 1.9

R-squared: 0.0106, Adjusted R-Squared: -0.012

F-statistic vs. constant model: 0.469, p-value = 0.799

##14-beta\_avg\_power) mean\_UDexc\_mean

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	16.897	2	8.4486	3.0825	0.047846
mean_UDexc_mean	0.68504	1	0.68504	0.24994	0.61762
group_char:mean_UDexc_mean	1.4579	2	0.72895	0.26596	0.76672
Error	597.49	218	2.7408		
Total	671.32	223			

Linear regression model:

beta\_avg\_power ~ 1 + group\_char\*mean\_UDexc\_mean

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	1.2484	0.49897	2.502	0.013082
group_char_H2000's	1.0141	0.74905	1.3539	0.17717
group_char_H3000's	1.7588	0.71124	2.4728	0.01417
mean_UDexc_mean	5.9637	19.416	0.30715	0.75902
group_char_H2000's:mean_UDexc_mean	-17.717	28.227	-0.62766	0.53089
group_char_H3000's:mean_UDexc_mean	-17.442	27.806	-0.62727	0.53114

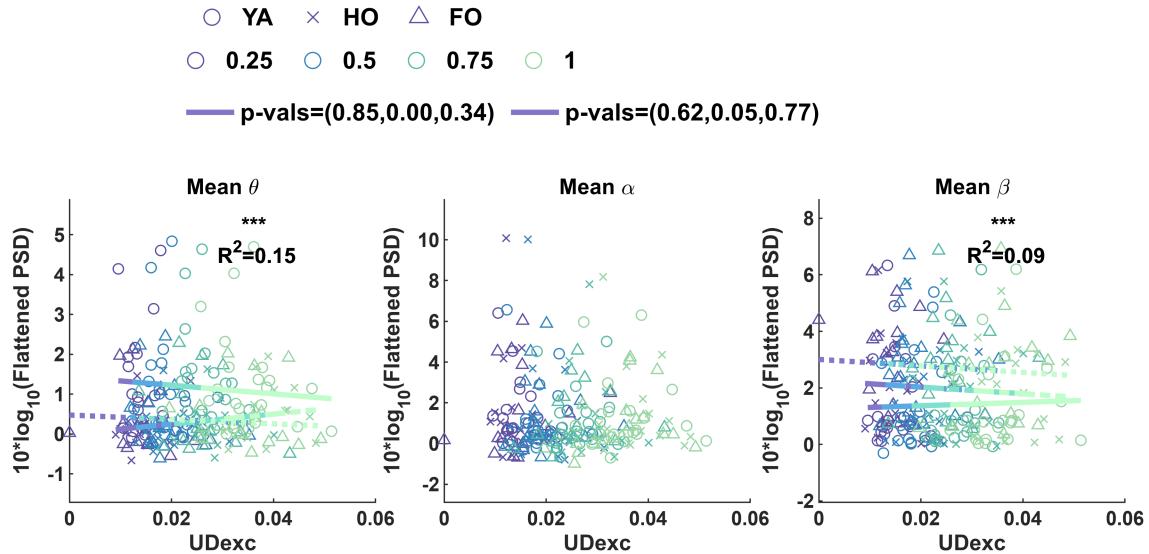
Number of observations: 224, Error degrees of freedom: 218

Root Mean Squared Error: 1.66

R-squared: 0.11, Adjusted R-Squared: 0.0896

F-statistic vs. constant model: 5.39, p-value = 0.000108

## CL14: Paracentral\_Lobule\_L



```
###14-theta_avg_power) mean_StanceDur
SumOfSquares      DF      MeanSquares      F      pValue
_____
```

group_char	3.576	2	1.788	1.9145	0.14988
mean_StanceDur	1.2375	1	1.2375	1.325	0.25095
group_char:mean_StanceDur	1.0259	2	0.51295	0.54923	0.57819
Error	203.6	218	0.93393		
Total	243.72	223			

Linear regression model:

theta\_avg\_power ~ 1 + group\_char\*mean\_StanceDur

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	1.2475	0.25525	4.8872	1.9811e-06
group_char_H2000's	-0.85833	0.44657	-1.922	0.055905
group_char_H3000's	-0.43917	0.45633	-0.9624	0.33691
mean_StanceDur	-0.053942	0.1867	-0.28893	0.77291
group_char_H2000's:mean_StanceDur	-0.015416	0.37594	-0.041007	0.96733
group_char_H3000's:mean_StanceDur	-0.44755	0.43374	-1.0318	0.30329

Number of observations: 224, Error degrees of freedom: 218

Root Mean Squared Error: 0.966

R-squared: 0.165, Adjusted R-Squared: 0.145

F-statistic vs. constant model: 8.59, p-value = 1.91e-07

##14-alpha\_avg\_power) mean\_StanceDur

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	4.4435	2	2.2217	0.61337	0.54245
mean_StanceDur	0.016921	1	0.016921	0.0046715	0.94557
group_char:mean_StanceDur	2.8539	2	1.4269	0.39395	0.67487
Error	789.64	218	3.6222		
Total	794.85	223			

Linear regression model:

alpha\_avg\_power ~ 1 + group\_char\*mean\_StanceDur

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	1.0293	0.50269	2.0476	0.041799
group_char_H2000's	0.89555	0.87946	1.0183	0.30967
group_char_H3000's	-0.078419	0.89868	-0.08726	0.93055
mean_StanceDur	0.13326	0.36768	0.36243	0.71738
group_char_H2000's:mean_StanceDur	-0.607	0.74037	-0.81986	0.41319
group_char_H3000's:mean_StanceDur	0.13417	0.8542	0.15707	0.87534

Number of observations: 224, Error degrees of freedom: 218

Root Mean Squared Error: 1.9

R-squared: 0.00656, Adjusted R-Squared: -0.0162

F-statistic vs. constant model: 0.288, p-value = 0.919

##14-beta\_avg\_power) mean\_StanceDur

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	8.2908	2	4.1454	1.5166	0.22177
mean_StanceDur	1.0323	1	1.0323	0.37767	0.53949
group_char:mean_StanceDur	2.3236	2	1.1618	0.42504	0.65428
Error	595.89	218	2.7334		
Total	671.32	223			

Linear regression model:

beta\_avg\_power ~ 1 + group\_char\*mean\_StanceDur

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	1.1132	0.43668	2.5493	0.011482
group_char_H2000's	1.0808	0.76399	1.4146	0.1586
group_char_H3000's	1.1045	0.78068	1.4148	0.15855
mean_StanceDur	0.22269	0.3194	0.6972	0.48642
group_char_H2000's:mean_StanceDur	-0.43877	0.64316	-0.68222	0.49583
group_char_H3000's:mean_StanceDur	0.34137	0.74204	0.46004	0.64594

Number of observations: 224, Error degrees of freedom: 218

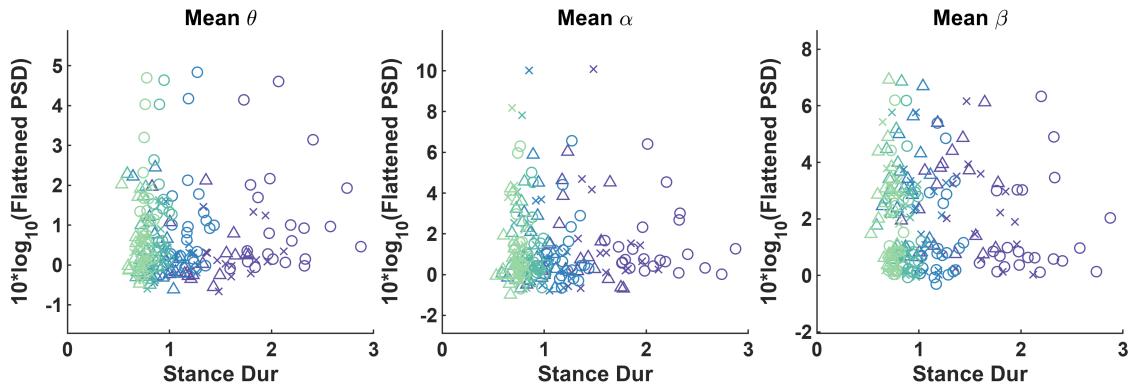
Root Mean Squared Error: 1.65

R-squared: 0.112, Adjusted R-Squared: 0.092

F-statistic vs. constant model: 5.52, p-value = 8.31e-05

## CL14: Paracentral\_Lobule\_L

○ YA    ✕ HO    △ FO  
 ○ 0.25    ○ 0.5    ○ 0.75    ○ 1



```

###14-theta_avg_power) mean_GaitCycleDur
      SumOfSquares      DF      MeanSquares      F      pValue
      _____      ____      _____      ____      _____

```

group_char	2.3141	2	1.157	1.2415	0.29099
mean_GaitCycleDur	1.5616	1	1.5616	1.6755	0.19689
group_char:mean_GaitCycleDur	1.1828	2	0.59141	0.63456	0.53114
Error	203.18	218	0.932		
Total	243.72	223			

Linear regression model:

theta\_avg\_power ~ 1 + group\_char\*mean\_GaitCycleDur

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	1.2845	0.30639	4.1924	4.0125e-05
group_char_H2000's	-0.85227	0.54231	-1.5715	0.11751
group_char_H3000's	-0.33055	0.5381	-0.61429	0.53966
mean_GaitCycleDur	-0.056966	0.15729	-0.36216	0.71758
group_char_H2000's:mean_GaitCycleDur	-0.017867	0.31808	-0.05617	0.95526
group_char_H3000's:mean_GaitCycleDur	-0.39045	0.35184	-1.1097	0.26834

Number of observations: 224, Error degrees of freedom: 218

Root Mean Squared Error: 0.965

R-squared: 0.166, Adjusted R-Squared: 0.147

F-statistic vs. constant model: 8.7, p-value = 1.54e-07

##14-alpha\_avg\_power) mean\_GaitCycleDur

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	3.669	2	1.8345	0.50619	0.6035
mean_GaitCycleDur	0.11609	1	0.11609	0.032033	0.85812
group_char:mean_GaitCycleDur	2.419	2	1.2095	0.33373	0.71661
Error	790.05	218	3.6241		
Total	794.85	223			

Linear regression model:

alpha\_avg\_power ~ 1 + group\_char\*mean\_GaitCycleDur

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	0.92923	0.60418	1.538	0.1255
group_char_H2000's	1.0631	1.0694	0.99414	0.32126
group_char_H3000's	0.18347	1.0611	0.1729	0.86289
mean_GaitCycleDur	0.1454	0.31017	0.46876	0.63971
group_char_H2000's:mean_GaitCycleDur	-0.51098	0.62724	-0.81464	0.41617
group_char_H3000's:mean_GaitCycleDur	-0.083134	0.69381	-0.11982	0.90473

Number of observations: 224, Error degrees of freedom: 218

Root Mean Squared Error: 1.9

R-squared: 0.00604, Adjusted R-Squared: -0.0168

F-statistic vs. constant model: 0.265, p-value = 0.932

##14-beta\_avg\_power) mean\_GaitCycleDur

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	6.1505	2	3.0752	1.1246	0.32665
mean_GaitCycleDur	1.0643	1	1.0643	0.38921	0.53337
group_char:mean_GaitCycleDur	1.9497	2	0.97486	0.35651	0.70052
Error	596.11	218	2.7344		
Total	671.32	223			

Linear regression model:

beta\_avg\_power ~ 1 + group\_char\*mean\_GaitCycleDur

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	1.043	0.52481	1.9874	0.048126
group_char_H2000's	1.1576	0.92892	1.2462	0.21402
group_char_H3000's	1.0977	0.92171	1.1909	0.23498
mean_GaitCycleDur	0.1901	0.26943	0.70556	0.48122
group_char_H2000's:mean_GaitCycleDur	-0.34136	0.54484	-0.62654	0.53162
group_char_H3000's:mean_GaitCycleDur	0.24925	0.60266	0.41358	0.67959

Number of observations: 224, Error degrees of freedom: 218

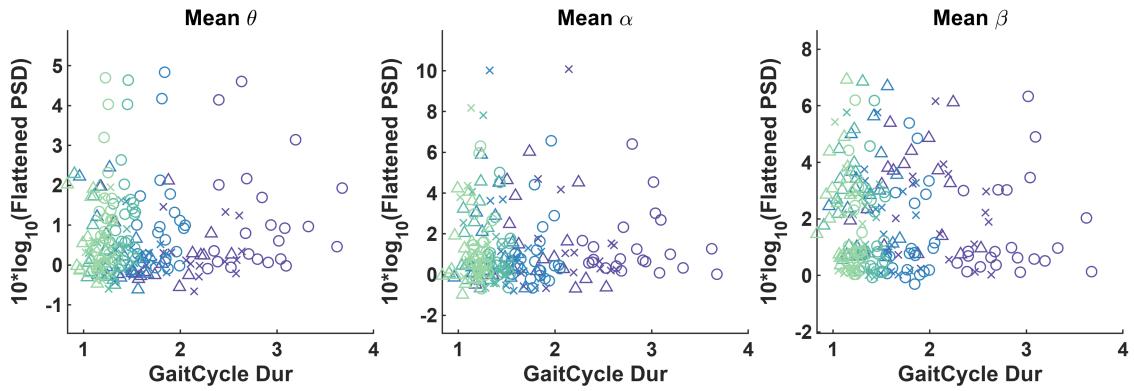
Root Mean Squared Error: 1.65

R-squared: 0.112, Adjusted R-Squared: 0.0917

F-statistic vs. constant model: 5.5, p-value = 8.61e-05

## CL14: Paracentral\_Lobule\_L

○ YA    ✕ HO    △ FO  
 ○ 0.25    ○ 0.5    ○ 0.75    ○ 1



```

###14-theta_avg_power) mean_PeakUpDownVel_mean
SumOfSquares   DF      MeanSquares      F      pValue
-----  -----

```

group_char	12.089	2	6.0443	6.4512	0.0018969
mean_PeakUpDownVel_mean	0.16634	1	0.16634	0.17754	0.67391
group_char:mean_PeakUpDownVel_mean	0.85604	2	0.42802	0.45684	0.63389
Error	204.25	218	0.93692		
Total	243.72	223			

Linear regression model:

theta\_avg\_power ~ 1 + group\_char\*mean\_PeakUpDownVel\_mean

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	1.2964	0.24343	5.3256	2.4993e-07
group_char_H2000's	-1.17	0.37398	-3.1285	0.001997
group_char_H3000's	-1.0707	0.36227	-2.9555	0.0034653
mean_PeakUpDownVel_mean	-0.48825	0.92491	-0.52789	0.59811
group_char_H2000's:mean_PeakUpDownVel_mean	1.1898	1.3274	0.89631	0.37108
group_char_H3000's:mean_PeakUpDownVel_mean	0.96567	1.3343	0.72374	0.47

Number of observations: 224, Error degrees of freedom: 218

Root Mean Squared Error: 0.968

R-squared: 0.162, Adjusted R-Squared: 0.143

F-statistic vs. constant model: 8.42, p-value = 2.64e-07

##14-alpha\_avg\_power) mean\_PeakUpDownVel\_mean

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	1.7222	2	0.86109	0.23742	0.78886
mean_PeakUpDownVel_mean	0.79058	1	0.79058	0.21798	0.64105
group_char:mean_PeakUpDownVel_mean	1.0275	2	0.51374	0.14165	0.86801
Error	790.65	218	3.6268		
Total	794.85	223			

Linear regression model:

alpha\_avg\_power ~ 1 + group\_char\*mean\_PeakUpDownVel\_mean

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	1.4328	0.47894	2.9915	0.0030954
group_char_H2000's	0.21051	0.73581	0.28609	0.77508
group_char_H3000's	-0.31264	0.71277	-0.43863	0.66137
mean_PeakUpDownVel_mean	-0.99323	1.8198	-0.54581	0.58576
group_char_H2000's:mean_PeakUpDownVel_mean	0.17522	2.6116	0.067092	0.94657
group_char_H3000's:mean_PeakUpDownVel_mean	1.2988	2.6252	0.49474	0.62128

Number of observations: 224, Error degrees of freedom: 218

Root Mean Squared Error: 1.9

R-squared: 0.00529, Adjusted R-Squared: -0.0175

F-statistic vs. constant model: 0.232, p-value = 0.948

##14-beta\_avg\_power) mean\_PeakUpDownVel\_mean

	SumOfSquares	DF	MeanSquares	F	pValue
group_char	16.343	2	8.1716	2.9786	0.05294
mean_PeakUpDownVel_mean	1.2527	1	1.2527	0.45661	0.49993
group_char:mean_PeakUpDownVel_mean	0.26213	2	0.13106	0.047773	0.95336
Error	598.08	218	2.7435		
Total	671.32	223			

Linear regression model:

beta\_avg\_power ~ 1 + group\_char\*mean\_PeakUpDownVel\_mean

Estimated Coefficients:

	Estimate	SE	tStat	pValue
(Intercept)	1.491	0.41655	3.5794	0.00042448
group_char_H2000's	0.59147	0.63996	0.92424	0.35639
group_char_H3000's	1.5099	0.61992	2.4357	0.015667
mean_PeakUpDownVel_mean	-0.41615	1.5827	-0.26294	0.79285
group_char_H2000's:mean_PeakUpDownVel_mean	-0.01963	2.2714	-0.0086423	0.99311
group_char_H3000's:mean_PeakUpDownVel_mean	-0.62725	2.2832	-0.27473	0.78379

Number of observations: 224, Error degrees of freedom: 218

Root Mean Squared Error: 1.66

R-squared: 0.109, Adjusted R-Squared: 0.0887

F-statistic vs. constant model: 5.34, p-value = 0.000119

## CL14: Paracentral\_Lobule\_L

