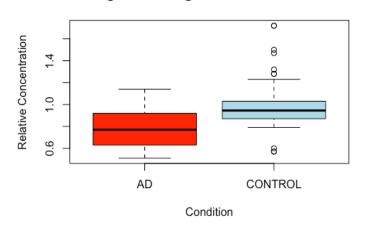
Box plots

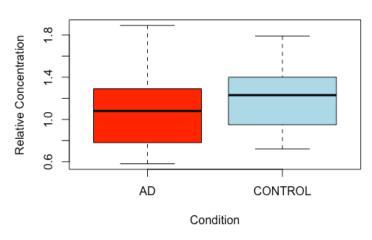
Citrulline Changes in AD and Control

Relative Concentration O.4 O.8 1.2 1.6 CONTROL CONTROL

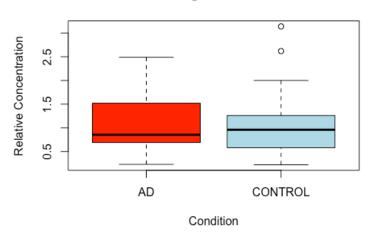
Arginine Changes in AD and Control



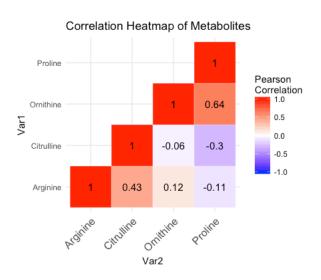
Proline Changes in AD and Control



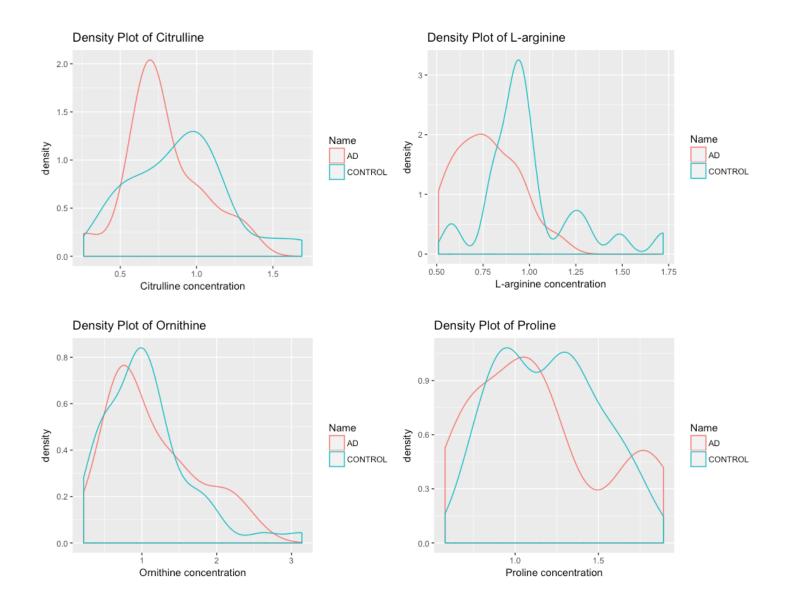
Ornithine Changes in AD and Control



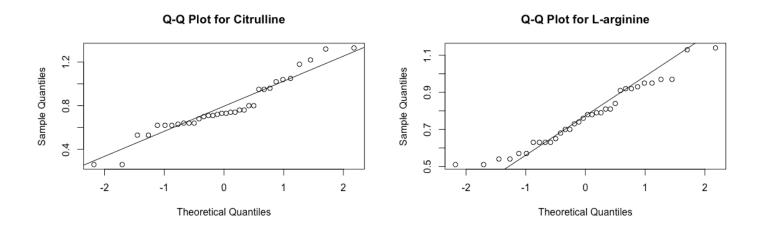
Heatmap



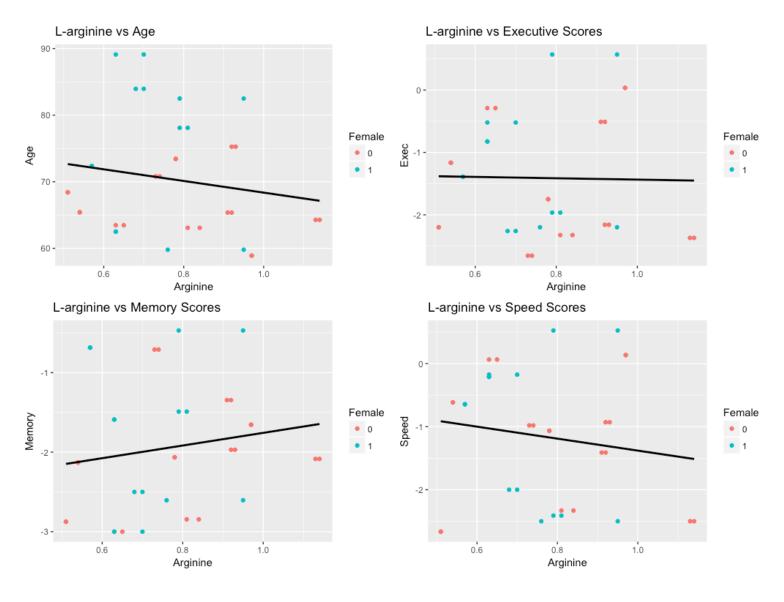
Density Plots

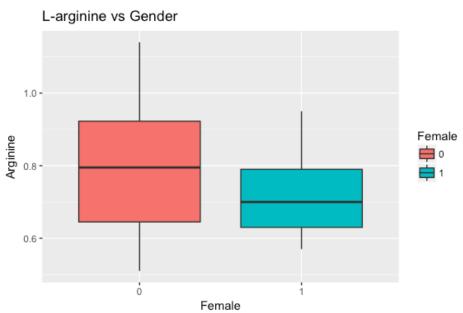


QQ Plots

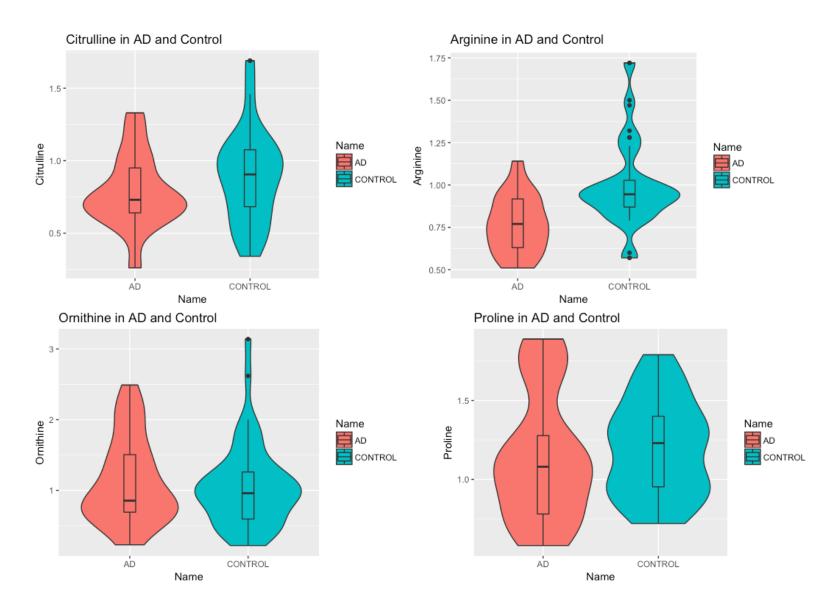


Scatterplot





Violin Plots



Formulas

$$r = \frac{n(\sum xy) - (\sum x)(\sum y)}{\sqrt{\left[n\sum x^2 - (\sum x)^2\right]\left[n\sum y^2 - (\sum y)^2\right]}}$$

$$t = \frac{(x_1 - x_2)}{\sqrt{\frac{(s_1)^2}{n_1} + \frac{(s_2)^2}{n_2}}}$$

$$F_{\text{calculated}} = \frac{S_1^2}{S_2^2}$$