

# Genfi First Pass

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A first investigation of the GENFI data. The aim is to assess the connection strength of the data.

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gene	gene negative	gene positive	affected
C9orf72	20	17	12
GRN	51	38	6
MAPT	15	13	11

Table 1: Subjects included in the analysis

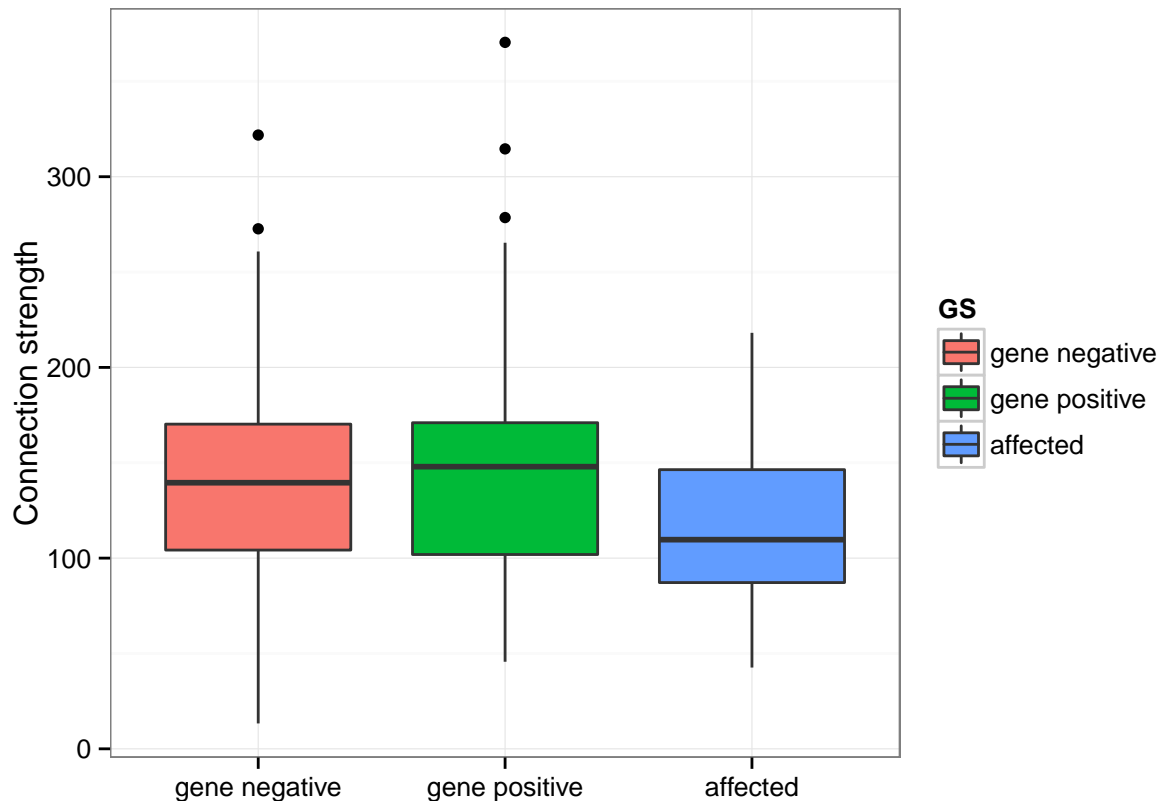
As a first pass, I will examine the connection strength in each of these groups. Firstly, we'll look at the mean connection strength for the whole brain. In order to do this, we'll take the mean connection strength of each individual.

Firstly we'll look at the results for the genes combined.

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gene negative	gene positive	affected
145.1 (55.1)	150.7 (61.6)	116.7 (46)

Table 2: Mean and standard deviations for connection strength values in individuals



And now we'll look at individual genes. % latex table generated in R 3.1.2 by xtable 1.7-4 package % Sun Jun 21 01:57:12 2015

gene	gene negative	gene positive	affected
C9orf72	148.1 (69.8)	162.1 (82.5)	127.1 (32.2)
GRN	146 (47)	140 (49.5)	66.6 (18.3)
MAPT	138 (62.2)	166.9 (61.2)	132.6 (51.9)

Table 3: Mean and standard deviations for connection strength values in individuals

