

February 20, 1964

Dr. Dean Clyde
Biometric Laboratory
University of Miami
250 Bird Road
Coral Gables 46, Florida

Dear Dean:

Jim Vanderplas is sitting here with me, and we are going over the results of a canonical correlation which he has just completed on the Hillside data.

First, he ran a test of the psychological test data and the EEG similar to your example 7, and the values seem to be similar to yours. We have some questions because the numbers are not identical. For one thing, we have 126 subjects. For another, we may have used a different CFF for steadiness values than you did. Nevertheless, the canonical correlation was 0.50 for a Chi Square 81.7. The second correlation, 0.37 and the Chi Square 45.6.

He continued and ran a number of the questions that bothered us. Specifically, the difference scores on behavioral measures against difference scores in the EEG measures. This was done for each drug group and for the total population.

Unfortunately for me, in neither for the total population nor for the individual groups did we find a significant correlation. Despairing of the logic of using different scores and frustrated by some doubts about this program, I wonder if you would consider checking on us by running a canonical correlation for either the total group or for any of the groups using the following variables. In each instance the N was modified to reflect missing data so that only complete subjects were used. This gave us for the individual treatments N's of 39, 47, and 47. The problems that we used were: 11 (2, 4, 7, 10); 12 (1, 9, 10); 13 (1-6 incl.); 54 (1-6 incl.); 61(2-5 incl.) for the left side, and 62 (1-5 incl.) for the right side.

My best personal regards.

Sincerely yours,

Max Fink, M.D.
Director

MF/jb