HCS7320 - Advanced Research Methods in Behavioral and Brain Science and Data Analysis Using R

HCS 7320 Advanced Research Methods in Behavioral and Brain Science and Data Analysis Using R (3 semester credit hours) R programming language (including writing functions and using special packages). Using the R programming language to analyze standard designs used in Behavioral and Brain Science: ANOVA, MANOVA, principal component analysis, correspondence analysis, discriminant analysis, partial least methods, multi-table analysis, and various other statistical techniques. Includes designing and creating publication ready graphics, analysis of experimental data and surveys. May be repeated for credit (9 semester credit hours maximum). Prerequisites: (ACN 6312 or HCS 6312 or PSYC 6312) and department consent required. (3-0) Y (2016-02-06 00:35:52)