

Assignment2 (CCA)

Data was collected among University students.

Apply canonical correlation analysis to examine the relationship between the set of problem behaviours {Tobacco_Use , Alcohol_Use , Illicit_Drug_Use , Gambling_Behaviour , Unprotected_Sex , CIAS_Total} and the set of personal and environmental factors {Impulsivity , Social_Interaction_Anxiety , Depression , Social_Support , Intolerance_of_Deviance , Family_Morals , Family_Conflict , Grade_Point_Average } that probably serve as the background for these behaviours.

Note that CIAS stands for Comprehensive Internet Addiction Scale. To choose the number of canonical variable pairs to interpret, use the 0.0001 level of significance. To interpret the chosen canonical variable pairs, you can use the 0.380 cutoff value.