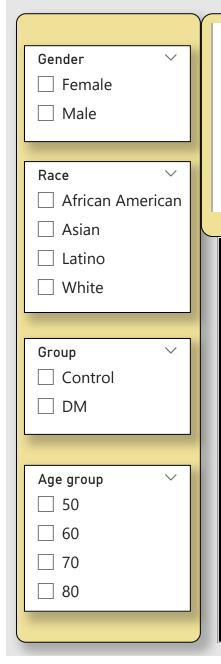
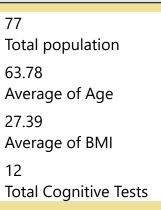
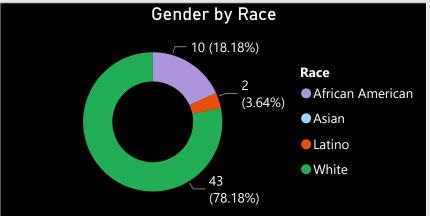
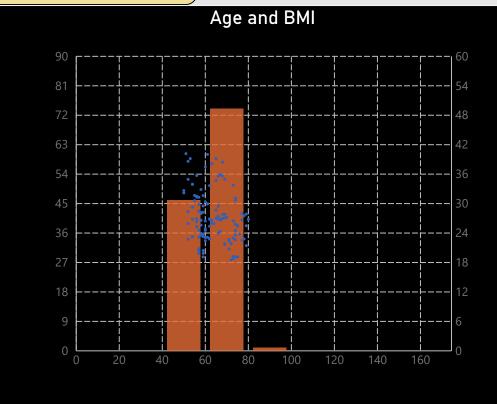
COGNITIVE INSIGHTS: CHARTNG THE COGNITIVE HEALTH OF DIABETIC AND CONTROL GROUPS

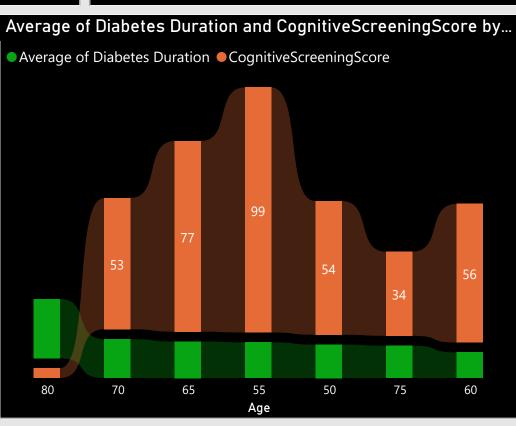




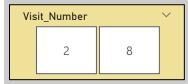


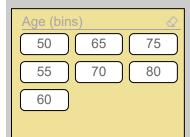


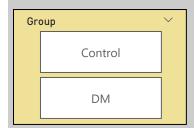


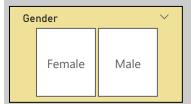


DEMOGRAPHIC VS. COGNITIVE TEST

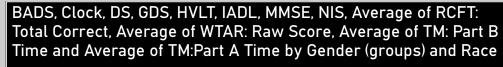


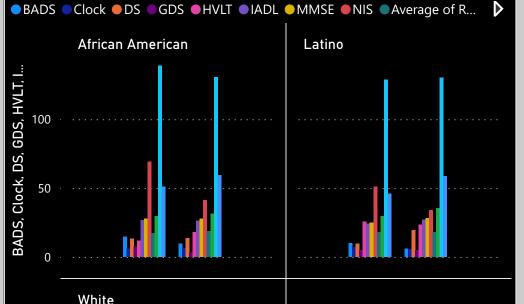


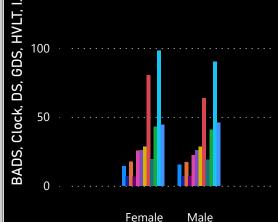












Gender (groups)

This graph is about Diabetic group only, excluding the Asian.

Female Male
Gender (groups)

How much variations are there for different Races, gender and age groups with different BMIs when tested for cognitive tests.

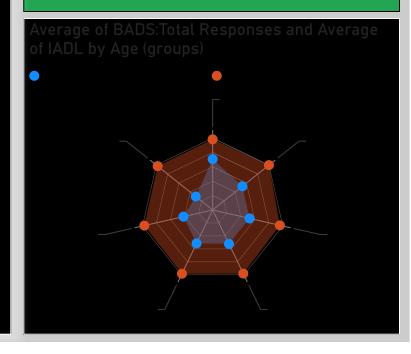
Is dysexecutive syndrome affected by person's BMI and Age in Diabetic patients?

Does Age have any impact on Average scores of BADS test and Average scores of IADL tests in Diabetic and Non-diabetic patients?

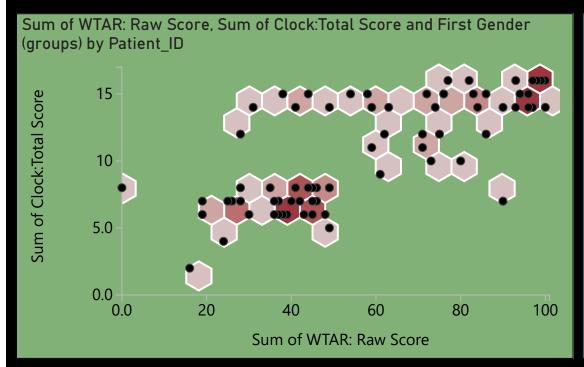
Correlation between Ages and BMI with BADS



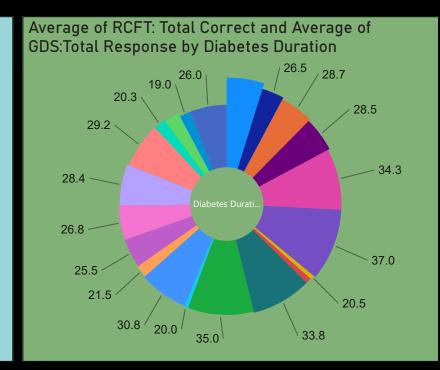
Comparison of Functional Cognitive Tests



Interdependence of Different Tests with respect to Demographics



- Is there a correlation between two neurological tests? What about if we divide with Gender?
- Does duration of diabetes decreases the capability of brain functioning?
- Does a patient who has lower score of Reading test can be predicted to be lower on Verbal Fluency test also?



Relationship between Verbal Fluency and Reading Test with Diabetes Duration (display is for diabetes duration above 10)



SMALL MULTIPLES VARIANCE CHARTS BY RACE and GENDER Gender Female Mean of Dig. Total, Substitution Error, Insertion error, Mean of Dig. Forward and Mean of Dig. Backward by Age and Race ☐ Male ■ Mean of Dig.Total ■ Substitution Error ■ Insertion error ■ Mean of Dig.Forward ■ Mean of Dig.Backward African American Asian Race African Amer... 40 Asian Latino 20 ☐ White Group Control White Latino 40 Age group 50 20 60 70 80 50 60 60 70 70 50 Age Age

A 6 6 8 Mean of Dig.Forward and

A 6 6 6 6

80