Capstone Project Ideas

S. Rucker

Data from [www.data.gov](http://www.data.gov) was used. Specifically data from the Integrated Postsecondary Education System (IPEDS) was used for this project.

The data is available at <https://nces.ed.gov/ipeds/datacenter/DataFiles.aspx>.

The initial data set contained the following data; Institutions in the State of Georgia for 2017, where n = 171; Variables included the following:

i: Name of the Institution ( n = 171 Institutions in the State of Georgia)

ii. Total price for in state students living on campus

iii. Total price for out-of-state students living on campus

iv: Total price for out-of-state students living off campus

v: Total price for in state students living off campus

vi. Full Time Retention Rate (Dependent Variable)

vii. Student-to-faculty ratio

viii. Total men undergraduate

ix. Total women undergraduate

1. Idea 1: Prediction of Retention Rate at a Post-Secondary Education Institution in Georgia based on using 5 of the listed variables.

RQ1: Is there a relationship between the retention rate in 2017 and the following variables, (Student-to-faculty ratio; Total men undergraduate, Total women undergraduate, Total price for out-of-state students living on campus; Total price for in-state students living on campus)

1. Idea 2: Prediction of Retention Rate at a Post-Secondary Education Institution in Georgia based on using all 7 listed variables.

RQ2: Is there a relationship between the retention rate in 2017 and the following variables, (Student-to-faculty ratio; Total men undergraduate, Total women undergraduate, Total price for out-of-state students living on campus; Total price for in-state students living on campus; Total price for in state students living on campus;Total price for out-of-state students living on campus)

1. Idea 3: Prediction of Retention Rate at a Post-Secondary Education Institution in Georgia based on using 3 of the listed variables.

RQ3: Is there a relationship between the retention rate in 2017 and the following variables, (Student-to-faculty ratio; Total men undergraduate, Total women undergraduate)