Assignments
EDUC6191: Core Methods in Educational Data Mining
Fall 2023
Ryan Baker

Basic Assignment 1: Classifier [pdf](predict ONTASK) [ASSISTments]
Data Set: [csv]
Due 1159pm Monday September 18, USA Eastern time

Creative Assignment 1: Behavior Detection [pdf]
Data Set: [csv]
Due 1159pm Monday September 25, USA Eastern time

Basic Assignment 2: Diagnostic Metrics [pdf] [ASSISTments]
Data Sets: [csv, 1] [csv, 2]
Due 1159pm Monday October 2, USA Eastern time

Creative Assignment 2: Feature Engineering [pdf]
Data Sets: [csv, 1] [csv, 2] [feature descriptions]
Due 1159pm Monday October 9, USA Eastern time

Basic Assignment 3: Social Network Analysis [pdf] [ASSISTments]
Data Sets: [txt]
Due 1159pm Monday October 16, USA Eastern time

Basic Assignment 4: Bayesian Knowledge Tracing [pdf] [ASSISTments]
Data Sets: [zipped csv]
Due 1159pm Monday October 23, USA Eastern time

Basic Assignment 5: Performance Factors Analysis [pdf] [ASSISTments]
Data Sets: [xlsx]
Due 1159pm Monday October 30, USA Eastern time

Basic Assignment 6: Sequential Pattern Mining / Association Rule Mining [pdf] [ASSISTments]
Python Data Set: [csv]
Due 1159pm Monday November 13, USA Eastern time

Basic Assignment 7: Clustering [pdf] [ASSISTments]
Data Set: [csv]
Due 1159pm Monday November 20, USA Eastern time

Creative Assignment 3: Knowledge Structure[pdf]
Data Sets: [csv]
Due 1159pm Friday December 1, USA Eastern time

Basic Assignment 8: Correlation Mining [pdf] [ASSISTments]
Data Sets: [csv, 1] [csv, 2]
Due 1159pm Friday December 8, USA Eastern time

Creative Assignment 4: Prompt Engineering[pdf]
Data Sets: [csv, 1] [csv, 2]
Python Script: [github]
Due 1159pm Friday December 15, USA Eastern time