

Checkpoint 2 IR System(02/12/2021)

For our project we hit a number of milestones since the last checkpoint. We have accomplished our phase 3 goals on 02/04/2021 and have begun work on phase 4. Those goals include creating the prototype for our front-end code, making sure the prototype matches our GUI mockup from last semester. Additionally, we have made a number of modifications to our main driver code for the backend. First, we implemented error handling measures throughout the code and we have modified our graphing function to use only the relevant act sub score. For example, a class that contains the word math will only use the math sub score.

The challenges we face next is the goal for phase 4 which is due by 03/04/2021. In this phase we are attempting to attach our front end code to the back end code. We will be using the flask library to accomplish this, as a group we do not have significant experience in using the library. In order to overcome this, we will need to learn and work together to connect our code. On 02/11/2021 we made some steps by connecting our front end to some python code.

Front end prototype



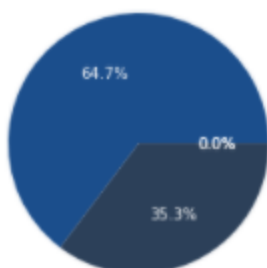
Backend input .csv file

AGE	ACT_Com	ACT_Eng	ACT_Math	ACT_Read	ACT_Sci
17	20	24	18	25	13

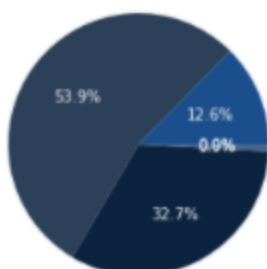
Backend code output.

Based on Students Within the last Three Years Aged 16 - 18 with an ACT Composite Score of 16 - 24

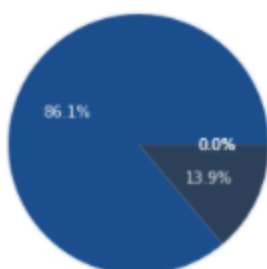
Eng
A's: 398 B's: 217 C's: 0 D's: 0 F's: 0



Math
A's: 118 B's: 505 C's: 306 D's: 8 F's: 0



Read
A's: 509 B's: 82 C's: 0 D's: 0 F's: 0



Sci
A's: 0 B's: 53 C's: 102 D's: 7 F's: 2

