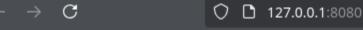
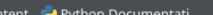
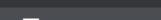
```
^Credsparrow@fedora:~/Documents/JHU/EN605/module_3$ python query_data.py
{'count_entries_fall_2024': 'Applicant count: 11462', 'percentage_international_students_fall_2024': 'Percent International: 54.22', 'average GRE V: 160.05013192612137, Average GRE V: 160.05013192612137, Average GRE V: 160.05013192612137, Average GRE AW: 5.352832014072119', 'average_gpa_american_fall_2024': 'Average GRE V: 160.05013192612137, Average GRE V: 160.05013192612137, Average GRE AW: 5.352832014072119', 'average_gpa_american_fall_2024': 'Average GRE AW: 5.7681002638522436, Average GRE V: 160.05013192612137, Average GRE AW: 5.352832014072119', 'average_gpa_american_fall_2024': 'Average GRE AW: 5.7681002638522436, Average GRE AW: 5.352832014072119', 'average_gpa_american_fall_2024': 'Average GRE AW: 5.7681002638522436, Average GRE AW: 5.768100263852436, Average GRE AW: 5.76810026386, Average GRE AW: 5.768100263
es_fall_2024': 'Acceptance percent: 39.71', 'average_gpa_accepted_fall_2024': 'Average GPA Acceptance: 3.7644094488188773', 'count_cs_masters_fall_2024': 'JHU Masters Computer Science count: 13'}
o redsparrow@fedora:~/Documents/JHU/EN605/module_3$
```



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How many entries do you have in your database who have applied for Fall 2024?

Applicant count: 11462

What percentage of entries are from international students (not American or Other) (to two decimal places)?

Percent International: 54.22

What is the average GPA, GRE, GRE V, GRE AW of applicants who provide these metrics?

Average GPA: 3.7681002638522436, Average GRE: 168.14072119613016, Average GRE V: 160.05013192612137, Average GRE AW: 5.352832014072119

What is the average GPA of American students in Fall 2024?

Average GPA American: 3.746427829698838

What percent of entries for Fall 2024 are Acceptances?

Acceptance percent: 39.71

What is the average GPA of applicants who applied for Fall 2024 and are accepted?

Average GPA Acceptance: 3.7644094488188773

How many entries are from applicants who applied to JHU for a master's degree in Computer Science?

JHU Masters Computer Science count: 13





1 ↔ 2	One difficulty with anonymous analytics is the inability to reference a unique point for connecting multiple pieces of data. In the case of GradCafe, due to its anonymous nature, there is no way to associate multiple applications to the same individual. This makes certain analyses, such as determining how likely it is for someone to apply to X school if they applied to Y school, not possible.
3 ⊶	As for the results, I had no preconceived notions going in, so I didn't find anything too surprising. The difference between the actual GRE average and the GradCafe GRE average is probably due to self-selection. Individuals who post on GradCafe are probably more likely to be more invested in their graduate education. This would lead to higher test scores. Another reason is that users who submit might only do so if they are accepted. Accepted users would also more likely have better test scores.
4	$A \mid$