

1. Fall 2024 Entries: 33

Query: SELECT COUNT(*) FROM applicants WHERE term = 'Fall 2024';

- COUNT is used because we need the total number of rows
- WHERE is used because we need to scope the term to 'Fall 2024'

2. International Student Percentage: 56.54%

Query: SELECT COUNT(*) FROM applicants WHERE us_or_international = 'International';
SELECT COUNT(*) FROM applicants;

- This consists of two queries
- The first query is a COUNT scoped to only 'International' students, and the second query is the total COUNT of applicants

3. Average Metrics (GPA, GRE, GRE V, GRE AW): (3.72, 263.97, 158.75, 8.02)

Query:

SELECT

AVG(gpa) as avg_gpa,

AVG(gre) as avg_gre,

AVG(gre_v) as avg_gre_v,

AVG(gre_aw) as avg_gre_aw

FROM applicants

WHERE gpa IS NOT NULL OR gre IS NOT NULL OR gre_v IS NOT NULL OR gre_aw IS NOT NULL;

- This query consists of getting the AVERAGE value of each of the results where there are values for each item, which is why the WHERE IS NOT NULL is used

4. Avg GPA American Students (Fall 2024): 3.63

Query: SELECT AVG(gpa) FROM applicants WHERE us_or_international = 'American' AND term = 'Fall 2024' AND gpa IS NOT NULL;

- This query gets the AVERAGE of the GPA column value for rows that only include American students applying for the term Fall 2024, where GPA IS NOT NULL

5. Fall 2024 Acceptance Percentage: 63.64%

Query: SELECT COUNT(*) FROM applicants WHERE term = 'Fall 2024' AND status = 'Accepted'; SELECT COUNT(*) FROM applicants WHERE term = 'Fall 2024';

- This consists of two queries
- The first query is a COUNT scoped to only Accepted students, and the second query is the total COUNT of applicants, both scoped to the term Fall 2024

6. Avg GPA Accepted Applicants (Fall 2024): 3.58

Query: SELECT AVG(gpa) FROM applicants WHERE term = 'Fall 2024' AND status = 'Accepted' AND gpa IS NOT NULL;

- This scopes the query to only rows with Fall 2024 and Accepted values, with GPA not being NULL
- Then it gets the average value of those values with AVERAGE

7. JHU CS Masters Entries: 9

Query: SELECT COUNT(*) FROM applicants WHERE program ILIKE '%Johns Hopkins%' AND program ILIKE '%Computer Science%' AND degree = 'Masters';

- This query uses ILIKE to get entries that include both Johns Hopkins and Computer Science, as well as scoping to only Masters degrees
- Then we need the COUNT of all returning records