Module 3 — Answers Report

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Q1. How many entries applied for Fall 2025?

Answer:

30

SQL:

```
SELECT COUNT(*) FROM applicants WHERE term ILIKE 'Fall 2025%';
```

Q2. What percentage of entries are international students (not American or Other)?

Answer:

44.24%

SQL:

```
SELECT COUNT(*) FROM applicants WHERE us_or_international IS NOT NULL AND
us_or_international NOT ILIKE 'American%' AND us_or_international NOT ILIKE
'Other%';
```

Q3. What is the average GPA, GRE(Q), GRE V, GRE AW of applicants who provide these metrics?

Answer:

Average GPA: 3.80
Average GRE (Q): 279.68
Average GRE (V): 161.24
Average GRE (AW): 4.20

SQL:

```
SELECT AVG(gpa) AS avg_gpa, AVG(gre) AS avg_gre_q, 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;
```

Q4. What is the average GPA of American students in Fall 2025?

Answer:

3.78

SQL:

```
SELECT AVG(gpa) FROM applicants WHERE term ILIKE 'Fall 2025%' AND
us_or_international ILIKE 'American%' AND gpa IS NOT NULL;
```

Q5. What percent of Fall 2025 entries are acceptances?

Answer:

50.00%

SQL:

```
SELECT COUNT(*) FROM applicants WHERE term ILIKE 'Fall 2025%' AND status ILIKE
'Accepted%';
```

Q6. What is the average GPA of Fall 2025 acceptances?

Answer:

3.77

SQL:

```
SELECT AVG(gpa) FROM applicants WHERE term ILIKE 'Fall 2025%' AND status ILIKE
'Accepted%' AND gpa IS NOT NULL;
```

Q7. How many entries applied to JHU for a Masters in Computer Science?

Answer:

0

SQL:

```
SELECT COUNT(*) FROM applicants WHERE program ILIKE '%Johns Hopkins%' AND degree
ILIKE 'Master%' AND program ILIKE '%Computer Science%';
```

Q8. How many 2025 acceptances for PhD CS at Georgetown, MIT, Stanford, or CMU (raw fields)?

Answer:

0

SQL:

```
SELECT COUNT(*) FROM applicants WHERE date_added >= DATE '2025-01-01' AND date_added
< DATE '2026-01-01' AND status ILIKE 'Accepted%' AND degree ILIKE 'PhD%' AND program
ILIKE '%Computer Science%' AND ( program ILIKE '%Georgetown University%' OR program
ILIKE '%MIT%' OR program ILIKE '%Massachusetts Institute of Technology%' OR program
ILIKE '%Stanford University%' OR program ILIKE '%Carnegie Mellon University%' );
```

Q9. Do the numbers change if you use LLM-generated fields (Q8 vs Q9)?

Answer:

Raw Fields: 0
Llm Fields: 0

SQL:

```
SELECT COUNT(*) FROM applicants WHERE date_added >= DATE '2025-01-01' AND date_added
< DATE '2026-01-01' AND status ILIKE 'Accepted%' AND degree ILIKE 'PhD%' AND
llm_generated_program ILIKE '%Computer Science%' AND llm_generated_university IN (
'Georgetown University', 'Massachusetts Institute of Technology', 'MIT', 'Stanford
University', 'Carnegie Mellon University' );
```

Q10. Extra Q1: What are the top 10 universities (LLM standardized) people applied to for Fall 2025

Answer:

University=University of Massachusetts Amherst, Count=2
University=Georgia Institute of Technology, Count=2
University=Baylor University, Count=2
University=University of Toronto, Count=2
University=New York University, Count=2
University=Francis Crick Institute, Count=1
University=Cuny, Count=1
University=Calarts, Count=1
University=Oregon State University, Count=1
University=Courtauld Institute of Art, Count=1

SQL:

```
SELECT llm_generated_university, COUNT(*) AS n FROM applicants WHERE term ILIKE
'Fall 2025%' GROUP BY llm_generated_university ORDER BY n DESC LIMIT 10;
```

Q11. Extra Q2: What is the breakdown of statuses for Fall 2025?

Answer:

Status=Accepted, Count=15
Status=Interview, Count=8
Status=Rejected, Count=7

SQL:

```
SELECT status, COUNT(*) AS n FROM applicants WHERE term ILIKE 'Fall 2025%' GROUP BY
status ORDER BY n DESC;
```