Data Loading Challenges and Observations

Challenges and Solutions

- MySQL's --secure-file-priv restriction prevented loading files directly: To resolve this, LOAD DATA LOCAL INFILE was used instead of LOAD DATA INFILE.

- Missing permissions on the CSV file: Solved by moving the file to /tmp/ and setting proper read permissions using chmod 644.

Optionally Enclosed By ','

- Tells MySQL that fields may be enclosed in commas. The csv of this dataset was already properly formatted so did not impact behavior.

Optionally Enclosed By ""

- Ensures correct interpretation of fields enclosed in double quotes. Without it, embedded commas may break column alignment.

Escaped By '\\'

- Ensures special characters like new lines and backlashes inside values are handled correctly. Without it characters could cause errors.