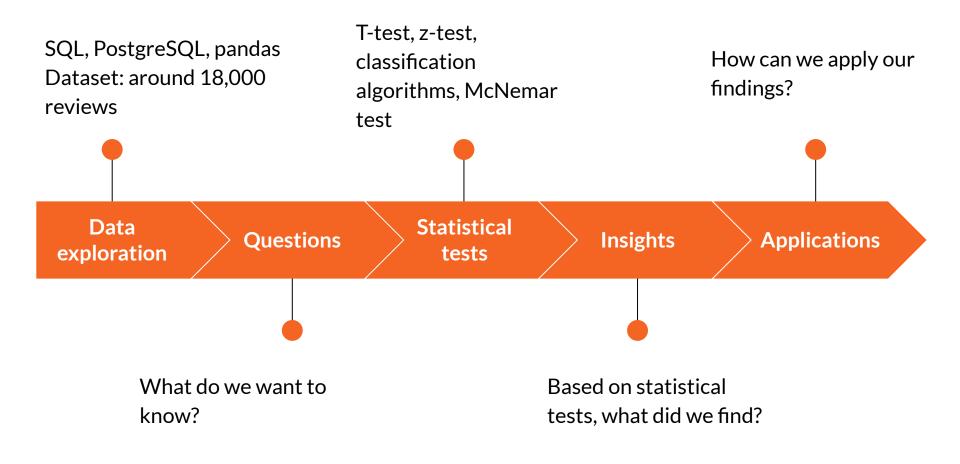


ANALYSING MUSIC REVIEWS

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1. Are metal and jazz genres average scores different?

Methodology: 2-samples t-test to compare 2 groups

Findings: Yes, there is statistical difference in metal and jazz scores

Applications: Test all genres, possibly create an algorithm to compensate for

lower scores in some genres

2. Multi-genre reviewers: do the same reviewers score metal and jazz genres differently?

Methodology: Paired t-test across multi-genre reviewers, for jazz and metal

Findings: No average difference found. However, may need more test data.

Applications: Understand same reviewers' behaviour across different genres

3. Scores produced by each author: different from the average?

Methodology: Z-test, random samples from each author's review scores (where

more than 50)

Findings: Yes, around 40% of the reviewers have average score different

from total average

Applications: Vet reviewers that produce very high/low average scores

4. Compare two text-based algorithms in predicting review genres?

Methodology: Compare two algorithms' agreement on rock vs non-rock class

using evaluation metric (McNemar statistic)

Findings: Yes. but technical details & just this study, reviews, metric?

Applications: Improve internal choices between competing classification

algorithms through a metric portfolio approach

Next steps

Understand the review content that users engage with.

Building out rigorous framework for evaluating reviewers/reviews across platforms

- Genres
- Reviewers and Scores
- Review texts