Content

Introduction:

- Welcome project partners?
- Clearly motivated the issue?
- Briefly showed structure in the introduction

Data Situation:

- Clearly presented data source?
  - Data collection method understandable?
  - Sample size, duration of the survey phase, randomization, etc.?
  - Relation to the issue was clear?
- Successful description?
  - Understandable?
  - Focused on the relevant to the issue?
  - Showed relevant aspects for the methodology used?
- Complex data structure?
  - Multiple datasets to be linked?
  - Unstructured data (text, images)?
  - Massive missing/incorrect values?
  - Database export was part of the project?
  - Web scraping or similar was part of the project?
- "Big Data"?
  - Too large for laptop memory?
  - Used CIP server?
  - Parallel computing needed, etc.?

Methodology:

- Demonstrated own understanding?
  - Did not just use "default" settings?
  - correct answers to theory/background questions?
- Checked assumptions for violations?
- explained at right level for project partners?
- explained at right level for fellow students?
- Used methods ...
  - Not part of the bachelor's degree?
  - Not part of the master's degree?
  - Independently learned from paper(s)?
  - Independently implemented from paper(s)?

Presentation/Interpretation of Results

- Precise?
- Correct?
  - Correctly interpreted estimates, etc.?
  - Inference adjusted for model selection etc?
  - In case of CV: also cross-validated preprocessing, hyperparameter tuning?
- Concrete?
  - Referred back to the project's issue?
  - Potential problems in translating "statistical" answer to substantive question acknowledged?
- Scientific?
  - No emotionalization?
  - No judgments?
  - Discussed methodological alternatives?
- Critical?
  - Statistical significance vs. relevance?
  - Discussed model fit, based on appropriate eval. measures?
  - Discussed consequences of potential assumption violations?

Form

Clarity

- Maximum of 3 levels of headings?
- Briefly shown in the introduction?

Structure

- No foreshadowing ("I'll explain this later…") of subsequent content?
- Introduced & explained statistical terms before use?
- Introduced & explained substantive terms before use?
- Backup slides for expected questions?

Presentation

Slides:

- No spelling/grammar mistakes?
- Slides easy to read?
  - Font size sufficient?
  - No large tables?
  - No gimmicks (animations, thick outline bars, meaningless projector buttons, etc.)?
  - No (unformatted) code / R output on the slides?
- Consistent mathematical notation?
- Scientifically correct work?
  - Correct references?
  - Appropriately cited used software?

Style:

- Appropriate speaking pace?
- Free speech, no reading out loud?
- Fluent language?
- Clear & precise language?
  - No colloquial use of "test", "significant", etc.?
  - Appropriate language level?
- Eye contact with the audience?
- Explained mathematical formulas instead of just reading them out?
- In team projects: real transitions between speakers?
- Duration about 45 minutes?

Graphics:

- Readable labels?
  - No cryptic abbreviations but real labels?
  - Large enough with sufficient white space?
- Meaningful color schemes?
  - No red-green / no R default palette?
  - Qualitative for nominal, sequential for ordinal, divergent for metric?
  - Uniform, consistent color scheme (e.g., men always blue, women red)?
- Avoided poor default settings?
  - Overplotting?
  - Too many axis markings?