The Finale

MSBA7001 Business Intelligence and Analytics
HKU Business School
The University of Hong Kong

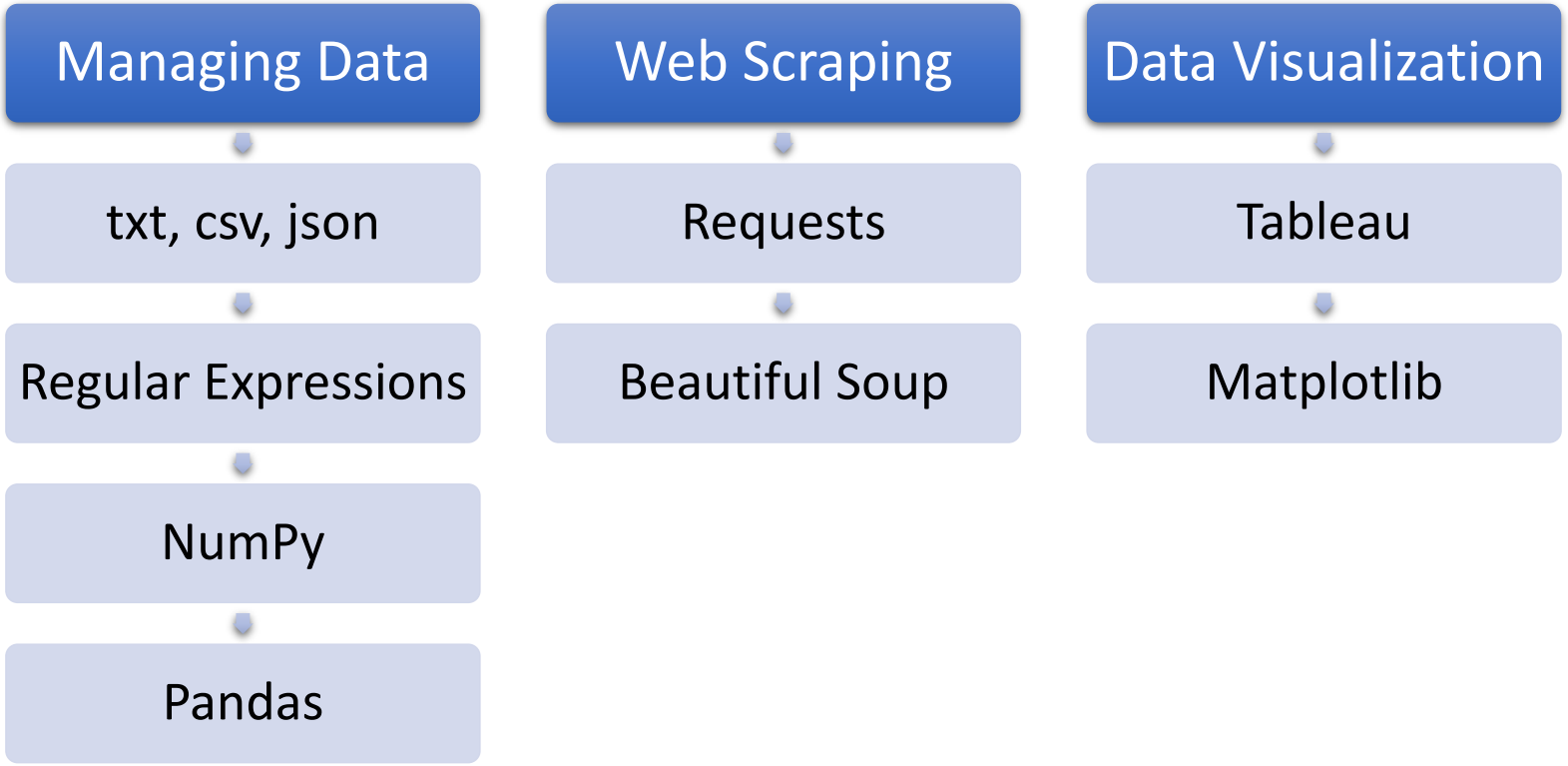
Instructor: Dr. DING Chao

Agenda

- Summary
- Final Exam Review
- Student Feedback on Teaching and Learning

Summary

Course Roadmap



Top Libraries by Field (ranked by Github)		
Field of application	Library Name	Type
Mathematics & Engineering	1. NumPy	Data wrangling
Mathematics & Engineering	2. SciPy	Data wrangling
Data Manipulation & Analysis	3. pandas	Data wrangling
Mathematics & Engineering	4. StatsModels	Statistics
Visualization	5. matplotlib	Visualization
Visualization	6. seaborn	Visualization
Visualization	7. plotly	Visualization
Visualization	8. bokeh	Visualization
Visualization	9. pydot	Visualization
Machine Learning	10. scikit-learn	Machine learning
Machine Learning	11. XGBoost / LightGBM / CatBoost	Machine learning
Machine Learning	12. eli5	Machine learning
Machine Learning	13. TensorFlow	Deep learning
Machine Learning	14. PyTorch	Deep learning
Machine Learning	15. Keras	Deep learning
Machine Learning	16. dist-keras / elephas / spark-deep-learning	Distributed deep learning
Mathematics & Engineering	17. NLTK	NLP
Mathematics & Engineering	18. gensim	NLP
Mathematics & Engineering	19. spaCy	NLP
Data Manipulation & Analysis	20. scrapy	Data scraping

Final Exam Review

Time, Venue & Format

- **Date/Time**: 19:00 – 21:00, Oct 11 (Wednesday)
- **Venue**: Cyberport
- **Format**: 30 points, four questions
- **Device**: Work on your own laptop. Submit answers on Moodle just like submitting assignment.
- **Grace period**: You have until 21:15 to submit your answer.

Exam Scope

0. Boot Camp

~~1. Course Overview~~

2.1 Managing Data I

2.2 Managing Data II

3.1 Web Scraping I

4.1 Data Visualization I

4.2 Data Visualization II

~~4.3 Data Visualization III (matplotlib)~~

~~5. The Finale~~

Semi Open-Book

1. You may refer to all the materials on Moodle and your own notes (including assignments) in digital or physical form.
2. You may use a second screen (e.g., tablets, monitors, but not phones).
3. You may use your preferred IDE (Jupyter Notebook, PyCharm, VS Code, etc.). But your answer must be saved as ipynb.
4. Do NOT open any applications or webpages other than the ones required by the exam questions during the examination.
5. Do NOT use remote control or any online collaboration tools.
6. Online searching is NOT allowed.
7. Using AI tools such as ChatGPT is strictly PROHIBITED.
8. Plagiarism is absolutely NOT tolerated.

Asking Questions During the Exam

- Only clarification questions will be answered.
- Questions that won't be answered:
  - Why couldn't I open this file
  - Why my for loop doesn't work
  - Why there is a type error
  - Why there is no output
  - …
- The TAs may not be able to answer your questions. I'll be rotating and checking classrooms. Let me know your questions when I reach your classroom.

Suggestions

1. Prepare a working “headers” for requests.get
2. Add comments to your code to improve readability.
3. Manually save your code from time to time.
4. Install a working VPN such as HKU VPN.
5. As a last resort, get Google Colab, a web-based Jupyter Notebook environment.
6. Fully charge your laptop before coming to the exam venue.

QUESTIONS?

Student Feedback on Teaching and Learning

https://sftl.hku.hk/