

AMS 595: Fundamentals of Computing: Part II

Lecture 8: Pandas; Python Classes

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Pandas and Data Frames

- pandas is Python library providing high-performance, easy-to-use data structures and data analysis tools
- It is analogous to R. It mainly provides linear and panel regression
- It is included as part of SciPy software stack
- Widely used in academic and commercial domains, including Finance, Neuroscience, Economics, Statistics, Advertising, Web Analytics, etc.
- See [Jupyter notebook on pandas](#)

Python Classes

- Classes are the fundamental concept for object oriented programming
- See [Jupyter notebook on Python Classes](#)