
MLDS 422 - Intro to Python

Lab 4

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Today's Lab Materials

- ▶ classmethods, instance methods, staticmethods
 - ▶ Summaries
 - ▶ Examples
- ▶ Sort class example
- ▶ Project 1

classmethods, instance methods, staticmethods

	classmethods	instance methods
Decorators	@classmethod	
First Parameter	cls	self
Access	Class-specific data	Instance-specific data
Inheritance	Inheritable	Inheritable
Purpose	Alternative Constructors	

classmethods, instance methods, staticmethods

	classmethods	staticmethods
Decorators	@classmethod	@staticmethod
First Parameter	cls	
Access	Class-specific data	Independent data
Inheritance	Inheritable	Inheritable
Purpose	Alternative Constructors	

- ▶ Access or modify class-specific data in the method
- ▶ Provide alternative constructors or initialization methods for the class
- ▶ Encapsulate related functionalities within the class

- ▶ Perform an operation that is independent of any class-specific data
- ▶ Organize related utility functions within the class

Project 1

► NameFlip

