Starting to program in Python for Data science Assignment Project Exam Help - the essentials -

Add Weick Szirbik Sept. 2020

Week 2 of the DAPOM course (1)

What you did last week

- Set up your programming environment (Python for the language, Atom with Teletype for editing, and Gurobi for optimization) Assignment Project Exam Help
- Learned how to execute a simple Python program
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- Learned how to open and read the content of a text file

A few elements of the Python language

What we do this week

Learning how to read and write a .csv file

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- Learning the basics about lists in Python https://powcoder.com
- Learning about the iteration for statement in Python and how to apply it on lists

Learning about the conditional "if" statement in Python

What we will do in general: learn programming

...What is programming?

• For those who start soil ment Project Exam Help algorithms (easy) programming: A different way of thinking (problem solving • Building and using data oriented)

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• An attitude (don't give up)

• Writing effective code (easy)

Conceiving algorithms (hard)

• **Testing** and debugging (hard)

What is an algorithm?

- Specifically for Python, an Algorithm is: A **procedural** way (step by step, with iterations and choices, depending on the context) to solve a problem Assignment Project Exam Help
- Example of a typical OM topportune of a typical OM topportune of the end of

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- Necessary mechanism for such an algorithm: investigate alternatives
- To get all the possible alternatives, one has generate routes via all permutations of the points to visit