

def motivation(problem):

- # Many STEM graduate programs expect a working coding knowledge for courses and research despite many undergraduate curriculums including no coding content.
- The causes many unprepared graduate students to # struggle in their first quarter as they must juggle teaching themselves to code while tackling challenging new material.

return A coding bootcamp held at the beginning of the school year

class Bootcamp:

- def __init__(self, days=3, organizers=3, volunteers=9, students=62):
 - self.Description = Three day workshop consisting of guided lecture, project work and group discussion

def goals():

return [A working knowledge of the fundamentals of Python and coding,

> Develop the ability to teach themselves and find new resources,

Emphasis on data processing]

def content():

- Data importing and processing
- Plotting and visual representation of data
- Real research applications and problem solving
- Finding new libraries and resources
- Documentation
- Debugging and errors

return Project: statistically analyze factors that contribute to countries success at the Olympics

