

CSSE 386 – Data Mining with Programming  
**Rose-Hulman** Institute of Technology

Worksheet 01

Name (Print): \_\_\_\_\_ Section: \_\_\_\_\_

1. For each of the following, write the difference between Data Science and Machine Learning.

Step	Data Science	Machine Learning
Focus		
Goal		
Usage		
Input		

2. When the term Data Science was introduced (circle)?

- 1960
- 1970
- 1980

3. When R and Python became available (circle)?

- 2000
- 1970
- 1980
- 1990

4. Describe the purpose for each library (package)

Library	Purpose
Numpy	
Pandas	
Scikit-learn	
Matplotlib	

5. Identify whether the method fits Statistics, ML, or AI

Method	Purpose
Image Recognition	
Hypothesis Testing	
Support Vector Machine	
Decision Tree	