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

Worksheet 06

Name (Print):_____   Section:_____

1. Warm-Up: How many Clusters?

2. Prescriptive vs Descriptive

	focuses on understanding past data by identifying patterns and trends within historical information
	forecasts future outcomes based on patterns

3. List Predictive Data Mining Tasks

   (a)

   (b)

   (c)

   (d)

4. List Descriptive Data Mining Tasks

   (a)

   (b)

   (c)

   (d)

5. You are assigned one Data Mining Method. Search for definitions and examples of when to use it

6. Complete the following definitions

Clustering	
Summarization	
Association	
Sequence Discovery	
Classification	
Regression	
Time Series	
Prediction	

7. Unsupervised learning identifies patterns in data _____. Unsupervised learning methods find insight on data that _____ for an output feature

8. Intra-cluster (within) distances are _____. Inter-cluster (between) distances are _____

9. List Distance Metrics

   (a)
   (b)
   (c)
   (d)

10. Complete the following definitions

Metric	Formula
Euclidean (L2 Norm)	
Manhattan (L1 Norm)	
Minkowski	