CIS 4190/5190: Applied Machine Learning	Spring 2023
Homework 1	
Handed Out: January 11	*Due: January 25*

Name: Jingxuan Bao

PennKey: bjx

PennID: 82897132

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1 Multiple Choice & Written Questions

1. (a) A
   (b) B

2. (a) B
   (b) A

3. (a) C
   (b) B

4. (a) D
   (b) $Variance(X) = E[(x-E(X))^2] = E[x^2-2XE(X)+E(X)^2 = E(X^2)-2E(X)E(X)+E(X)^2 = E(X)^2 - E(X^2)$
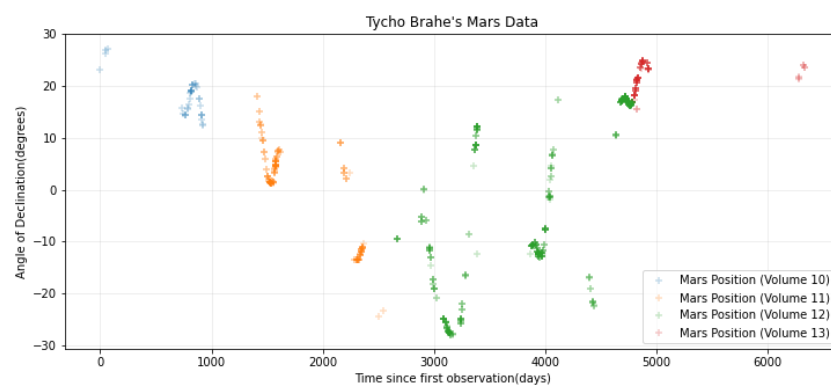
5. (a) B
   (b) A
   (c) D

2 Python Programming Questions

Figure 1: Figure for Q4 (MatplotLib)