**Project Report**

**EE 381**

First Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Last Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Student ID: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

I did this final project own my own and did not share with anyone via discord, emails, verbal, or any other means, if I do, I understand that it is considered as cheating, and there will be an action on my academic dishonesty.

Sign \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Mean Price: Fill the table below. (2 point)

|  |  |
| --- | --- |
| **Year** | **Mean Price** |
| 2001 |  |
| 2005 |  |
| 2010 |  |
| 2015 |  |
| 2020 |  |

Mean Price: Insert a bar graph below showing yearly mean prices. (2 points)

Standard deviation (STD): Fill the table below. (2 point)

|  |  |
| --- | --- |
| **Year** | **STD** |
| 2001 |  |
| 2005 |  |
| 2010 |  |
| 2015 |  |
| 2020 |  |

Standard deviation: Insert a bar graph below showing yearly standard deviations. (2 point)

Probability of price ranging from $200,000 to $300,000 inclusive: Fill the table below. (4 points)

|  |  |
| --- | --- |
| **Year** | **Probability** |
| 2001 |  |
| 2005 |  |
| 2010 |  |
| 2015 |  |
| 2020 |  |

Insert a bar graph below showing yearly probability of price ranging from $200,000 to $300,000 inclusive. (4 point)

Python Code: Provide your code below. (4 points)