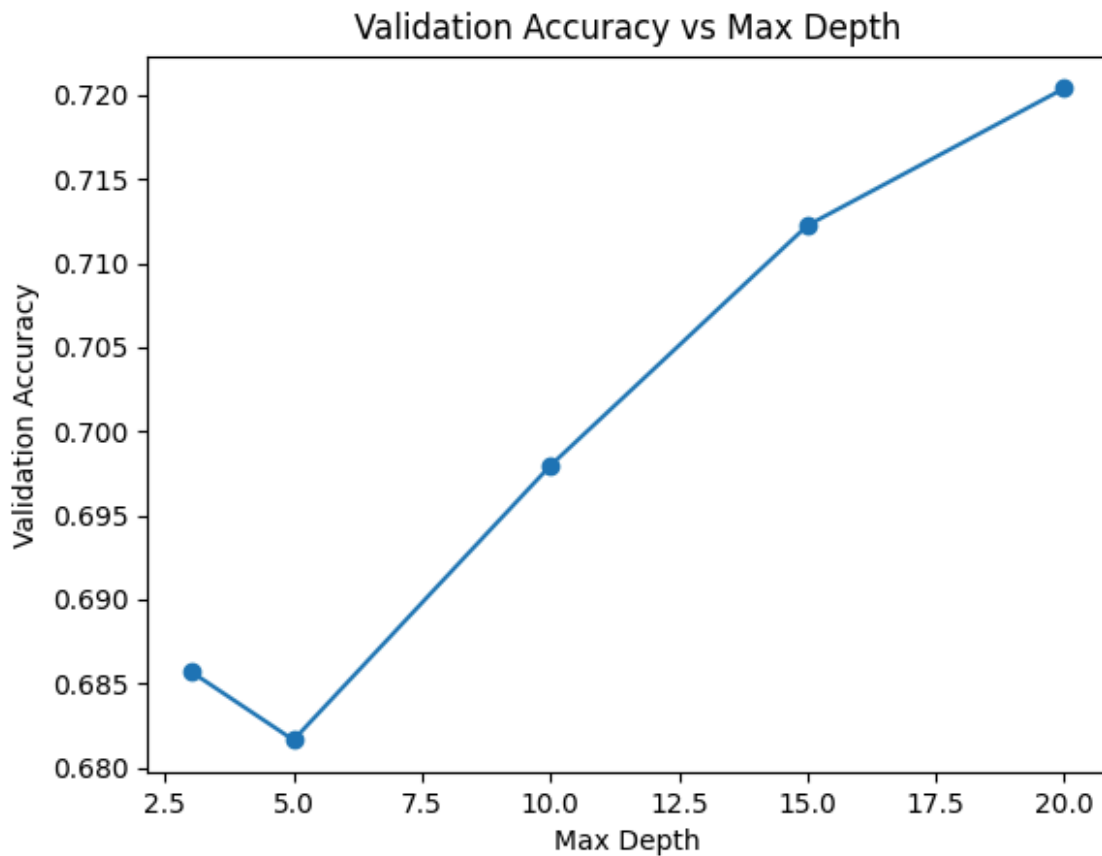


Task 2:

Here are my results for task 2:



Best max_depth: 20, Validation Accuracy: 0.7204081632653061

Test Accuracy: 0.736734693877551

Tree Visualization (First Two Layers):

```
|--- the <= 0.50
|   |--- hillary <= 0.50
|   |   |--- donald <= 0.50
|   |   |   |--- truncated branch of depth 18
|   |   |   |--- donald > 0.50
|   |   |   |--- truncated branch of depth 18
|   |   |--- hillary > 0.50
|   |   |--- clinton <= 0.50
|   |   |   |--- class: 0
|   |   |   |--- clinton > 0.50
|   |   |   |--- truncated branch of depth 13
|   |--- the > 0.50
```

```
| |-- trumps <= 0.50
| | |-- donald <= 0.50
| | | |-- truncated branch of depth 18
| | |-- donald > 0.50
| | | |-- truncated branch of depth 18
| |-- trumps > 0.50
| | |-- market <= 0.50
| | | |-- class: 1
| | |-- market > 0.50
| | | |-- class: 0
```