Output results for Part A:

RMSE Value:

```
RMSE: 0.868780161820877
```

R2 Value:

```
R2: 0.6169654641635698
```

Output Results for Part B:

RMSE Value:

```
RMSE Value: 0.7130572335377876
```

R2 Value:

```
R2 Value: 0.7419719488388121
```