

## ✔ Congratulations! You passed!

Grade received **100%** To pass 80% or higher[Go to next item](#)

### Test Your Project Understanding

Latest Submission Grade 100%

1. Facebook Prophet is a time series forecasting tool that could be used in the finance, healthcare and retail sectors?

1 / 1 point

☒ True☐ False✔ **Correct**

Correct! great job

2. Which of the following is a necessary step before applying Facebook Prophet time series forecasting tool?

1 / 1 point

☒

```
1 data_df = data_df.rename(columns={'Date': 'ds', 'Price': 'y'})
```

☐

```
1 data_df = data_df.rename(columns={'Date': 'y', 'Price': 'y'})
```

☐

```
1 data_df = data_df.rename(columns={'Date': 'Ds', 'Price': 'y'})
```

✔ **Correct**

Correct! Great job

3. What will this code generate?

1 / 1 point

```
3 avocado_df.tail(5)
```

☒ Print the first 5 rows and the last 5 rows of the dataframe☐ Print the first 4 rows and the last 5 rows of the dataframe☐ Only print the last 5 rows of the dataframe✔ **Correct**

Correct! great job

4. Facebook Prophet time series forecasting tool implements an additive regression model with the following four elements: (select 4 choices)

1 / 1 point

☒ A piecewise linear, Prophet automatically picks up change points in the data and identifies any change in trends.✔ **Correct**

Correct! Great Job

- ☐ A holiday list modeled by Fourier series
- ☐ A semi-annual seasonal component
- ☒ A holiday list that can be manually provided

✓ **Correct**  
Correct! Great Job

- ☒ A weekly seasonal component

✓ **Correct**  
Correct! Great Job

- ☒ A yearly seasonal component modeled using Fourier series

✓ **Correct**  
Correct! Great Job

5. What will this code generate?

1 / 1 point

```
5 figure = m.plot_components(forecast)
```

- ☐ Future price predictions values 30 days into the future
- ☒ Future trend values values 30 days in the future
- ☐ Future price predictions 30 months into the future

✓ **Correct**  
Correct! great job!