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New Package Introduction - Recommendation Systems Part 3

Now, let's go through some of the common functions used in this LVC case studies.

mSSA

mSSA is a library used to apply **Multivariate Singular Spectrum Analysis (mSSA)** over a time series data in Python.

To import the library, the below line of code can be used:

```
# Installing the mSSA library
from mssa.mssa import mSSA
```

The below code demonstrates the application of this library.

```
# Let us define the model variable
model = mSSA(rank = 20)

# Updating the model
model.update_model(train_data)
```

To get more information about this function, you can refer to [this](#) link.

Seaborn

This is an advanced library to perform data visualization in python. It is based on the matplotlib library and it provides a high-level interface for drawing attractive and informative statistical graphics. To import this, the below line of code can be used:

```
import seaborn as sns
```

The sample application of this library can be seen in the below line of code:

```
# Create the plot
figure = plt.figure(figsize = (16, 8))
sns.lineplot(data = combined_data,
             x = 'index',
             y = 'MT_001',
             marker = 'o');
```

Here, this library is used to create the lineplot using some sample data.

To get more information about this function, you can refer to [this](#) link.

Happy learning!

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