

ETW3420

Principles of Forecasting and Applications

Topic 2 Pre-tutorial Activity

In this pre-tutorial activity, you will:

- (i) Practice basic functions such as `help()` and `autoplot()`.
- (ii) Determine frequency of data via the `frequency()` function.

Question 1

Use the help menu to explore what the series `gold`, `woolyrnq` and `gas` represent. These are available in the `forecast` package.

```
help(gold)
```

```
help(woolyrnq)
```

```
help(gas)
```

- a. Use `autoplot` to plot each of these in separate plots.

```
autoplot(gold)
```

```
autoplot(woolyrnq)
```

```
autoplot(gas)
```

- b. What is the frequency of each commodity series? Hint: apply the `frequency()` function.
- c. Use `which.max()` to spot the outlier in the `gold` series. Which observation was it?

```
which.max(gold)
```

```
## [1] 770
```

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