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# FORECASTING PRINCIPLES AND PRACTICE



# 2. Time series graphics

2.2 Time plots

OTexts.org/fpp3/

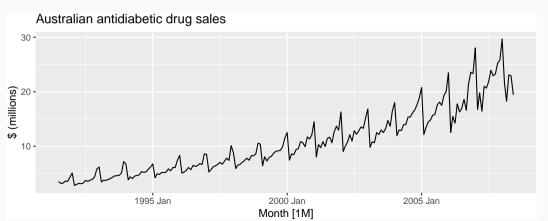
# Graphics

## Plots allow us to identify:

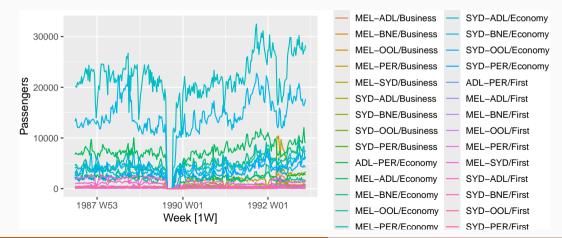
- Patterns:
- Unusual observations;
- Changes over time;
- Relationships between variables.

# Time plots

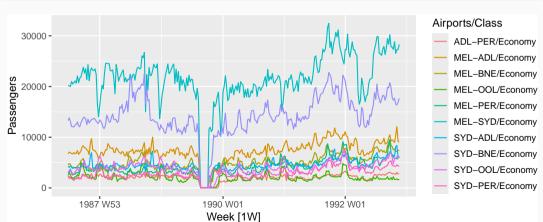
```
al0 |>
  autoplot(Cost) +
  labs(y = "$ (millions)", title = "Australian antidiabetic drug sales")
```



```
ansett |>
autoplot(Passengers)
```



```
ansett |>
  filter(Class == "Economy") |>
  autoplot(Passengers)
```



```
ansett |>
  filter(Airports == "MEL-SYD") |>
  autoplot(Passengers)
```

