Agenda

1) How time series data looks like?

2) Handling missing values

3) Anomalies handling

4) Breaking down a time series

5) Moving Averages

6) Trend

7) Seasonality

8) Intro to time series decomposition

$$y = ax^2 + 5x + c \longrightarrow \text{degree } 2$$

$$y = \boxed{a}x^3 + \boxed{b}x^2 + \boxed{c}x + d$$

$\swarrow$ 1 $\uparrow$ 2 $\uparrow$ 3 $\uparrow$ 4

Very low values

$$a = 1e^{-5}, \quad b = -2e^{-4}, \quad c = 5e^{-5}$$