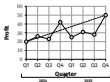


Build Tasks

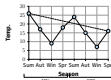


Identify multiple TSN components together in realistic time series scenarios.

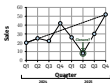
1. Identify T, S and N in these quarterly profits.



2. Identify T, S and N in these temperatures.



3. Identify all TSN components. Which point needs investigation?



4. Why is it wrong to describe a trend as “positive” or “negative”?

Build Tasks



Apply TSN thinking to reason about real datasets and what each component reveals.

5. Give an example of seasonality in: a) retail sales, b) tourism.

6. What might cause noise in: a) website traffic data, b) stock prices?

7. If you remove the noise from a time series, what components are you left with?

8. How can identifying seasonality help a business plan ahead?