8.6 Exercise: Time Series for a single variable – R version

Note: *Copying and pasting text (e.g. R code) from a pdf is not reliable. For that reason we have also provided the code in [a text file](#)*

In this exercise we will use **iNZightTS** package to create a Time Series plot and get the Additive and Multiplicative Decomposition for it.

We will use the **week8_AverageVisitorsQuarterly** dataset from the **FutureLearnData** package.

The skills addressed are to use the iNZightTS package to:

1. Generate a Time Series plot and a Seasonal plot for a single numeric variable.
2. Get an Additive and Multiplicative Decomposition.
3. Make a forecast.

Please see code in [https://www.stat.auckland.ac.nz/~wild/d2i/exercises/8.6 exercise-time-series-for-a-single-variable_R_17.txt](https://www.stat.auckland.ac.nz/~wild/d2i/exercises/8.6)

- **Repeat what we have done above for any other country that interests you and try to interpret the patterns you see as has been done in the video**
    - Skim-read the **iNZight version** for the **commentary that is missing here.** (This document just concentrates on how the code works)

[*In the next Exercise we will start comparing series from different countries*.]