

Week 3
Term 3
2020



HAWKER COLLEGE

Engage | Inspire | Achieve

Learning Brief

MA4

Goals



This week:

- deseasonalise a time series by using a seasonal index, including the use of spreadsheets to implement this process
- implement the statistical investigation process to answer questions that involve the analysis of time series data

Theoretical Components

Resources:

For this week the theory work is in the *PDF file*:
Week 3 Notes & Exercises

A brief (2 minutes) introduction on seasonal adjustment:

<https://www.youtube.com/watch?v=ccgmdVsrVAw>

This clip works through the steps in deseasonalising data:

<https://www.youtube.com/watch?v=NhznWdDd9UY>

Knowledge Checklist

- Seasonal trend
- Deseasonalising – removing seasonal variation
- Seasonal index
- Setting out
- Forecasting
- Re-seasonalise
- Graphing using a spreadsheet

Practical Components

There are questions to be answered in the booklet *Week 3 Notes & Exercises*.

Excel files:

- Seasonal Adjustment Example
- Sheet with Formulas

Investigation

On HawkerMaths and attached to this week's work

On-line Quiz

None