

Homework 10

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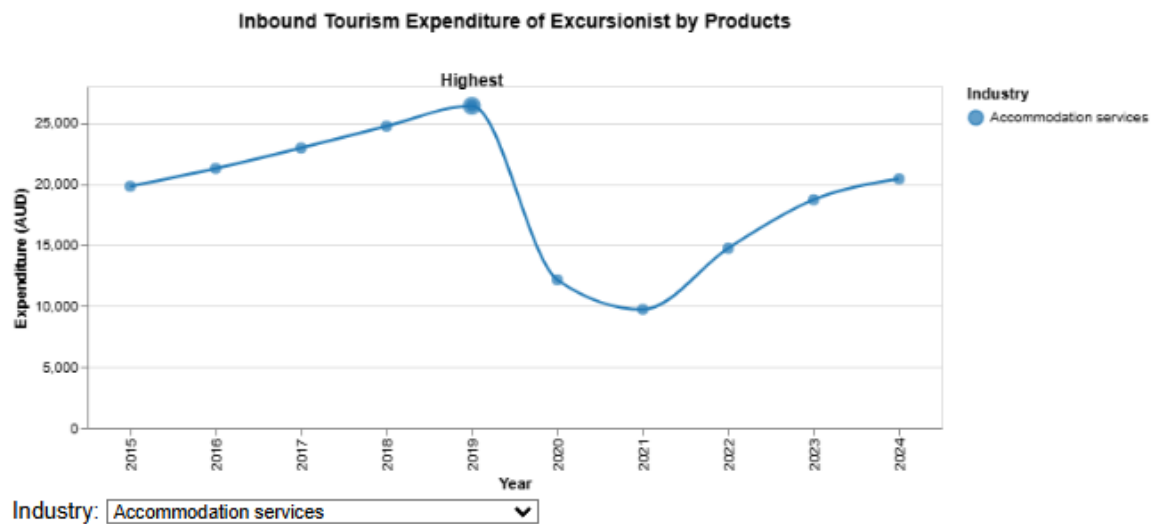
Lab: Tutorial 3, Thursday 4:30-6:30pm

Tutor: Dr Grace

URL for Github Repo: <https://github.com/LTS0924/FIT3179-Week-10>

URL for visualization: <https://lts0924.github.io/FIT3179-Week-10/>

Inbound Tourism Expenditure



Domain

- Inbound tourism expenditure (excursionists) over time

Visualized dataset

- Source: https://archive.data.gov.my/data/en_US/dataset/migration-rates-by-state-of-destination-and-migration-status
- Author: DATA@DOSM
- Attribute types: Expenditure (quantitative, AUD), Year (temporal/quantitative), Product/Industry (nominal/categorical)

Idiom Justification

- A single-line chart shows the selected industry's expenditure over time, making year-to-year trends and abrupt changes easy to read. An interactive filter (legend/dropdown) lets viewers switch which industry is shown so they can focus analysis on a single series while keeping the interface uncluttered.
- Interactivity (legend selection + tooltip) lets viewers isolate a single product to focus analysis while still allowing quick comparisons across products when needed.
- Point markers and an annotation for the highest value help call out important events (peaks or drops) that warrant further interpretation.