COS30045

COS30045 Data Visualisation

Assignment 3B – Process Book

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# Introduction

* What this project is about
* The topic and context
* A snapshot of what the audience will learn

# Background and Motivation

* Who is the intended user?
* Why would this audience care about the visualisation?
* What real-world problem/question does the visualisation help address?
* What insights do we hope they'll discover?

# Visualisation Purpose

* What specific questions will the visualisation help users answer?
* What benefits will the user gain from exploring this visualisation?

# Project Schedule

|  |  |  |
| --- | --- | --- |
| **Week** | **Dates** | **Milestone / Activity** |
| Week 7 | Apr 28 – May 4 | Project kick-off, set up GitHub, shared folder, schedule |
| Week 8 | May 5 – May 11 | Finalise dataset choice, begin Process Book |
| Week 9 | May 12 – May 18 | Build initial prototype, structure website |
| Week 10 | May 19 – May 25 | Refine visualisation, complete draft of Process Book |
| Week 11 | May 26 – Jun 1 | User testing and validation |
| Week 12 | Jun 2 – Jun 8 | Submit website (3C) and Process Book (3B) |

# Data

## Data Source

* List the dataset(s) we're using (with direct links)
* Mention that one is from the OECD Health Statistics (required)
* Describe data type (e.g. table, time series)
* List key attributes/columns and classify them (categorical, ordinal, ratio, etc.)
* Mention if any data won’t be used and why

## Data Processing

* Describe any cleaning done (e.g., removing nulls, reshaping columns)
* Mention derived variables (if any)
* Tools used for processing (e.g. Excel, Python, JavaScript)
* Include any formulas or logic used for transformation

# Requirements

## Must-Have Features

* List of features the visualisation *must* include to be successful (e.g. Time slider, hover tooltips, region filter, etc.)
* Explain how these features support our purpose

## Optional Features

* List nice-to-have extras (e.g. export as image, animations)
* Note which ones were implemented and which were dropped (and why)

# Visualisation Design

* Initial ideas/sketches (include 2–3 options or drafts)
* Justify choice of visual encoding (e.g. bar charts for comparison)
* Evolution of design (what changed and why)
* Final design screenshots (if available at this stage)

# Validation

* Describe any feedback received (tutor)
* Briefly summarise what we changed based on testing
* If no testing yet, explain the plan to validate (and when)

# Conclusion

* What did our team learn?
* What would we do differently next time?
* Any technical or design challenges we overcame?

# References (APA 7th)

Organisation for Economic Co-operation and Development. (2024). *OECD Health Statistics*. https://www.oecd-ilibrary.org/social-issues-migration-health/data/oecd-health-statistics\_data-00373-en