WIKI

# Page attributes

Each page has:

* Link to Home Page
* Link to Next Page
* Link to Sub Page

Each subpage has:

* Link to Page
* Link to next subpage
* Link to Home page

# Outline

We are able to create the following pages – either to production quality or high-quality draft:

## Home Page

1. Title
2. Supervisor
3. Team Members
   1. Team photo
   2. Short bio
   3. Contact details

Action: Enhance team section

## 00 Contents

* Link to all pages

Actions: Create page, keep up to date

## 01 Abstract

* Short executive summary of the project
* To be written at the end of the project

## 02 Introduction (Draft in place, YR)

* Introduces the project, including
* Aims, Objectives, Scope

Action: Review section

## 03 Literature Review

* Background information referencing the articles we have read
* Contextualises key topics – depression, actigraphy, circadian rhythms, machine learning models
* Summarises what has been done so far, referencing articles
* Provides a starting point for our investigations
* Link to Appendix containing article note files

Action: Write Lit Review section

## 04 Dataset

* Description of dataset including origin, source, provenance
* Description of attributes, their importance, how they have been used
* Initial EDA summaries – including plots and tables

Action: Review dataset description

Action: Add basic plot, table for visual summary of dataset

## 05 Extraction / Preprocessing

* Description of extraction of data from files in pipeline – including code snippets
* Link to Appendix containing Extraction code
* Description of optional preprocessing steps, which were used in various models, noting that final models may have different/additional steps and/or the step was undertaken as part of feature extraction – this includes full days, zero activity, normalisation, resampling, etc.

Action: Review section

## 06 Exploratory Data Analysis

* More in-depth EDA

1. Basic statistical description
2. Between group analysis and plots
3. Time series EDA and explanation – linking to how it may be applied in a model

Action: Create Draft EDA

Action: Review EDA

The following sections are more ‘in progress’ and will move from Draft to Preprod to Prod:

## 07 Methodology / Approach

* Pipeline design / description -> Extract, Preprocess, EDA, Model Selection, Feature engineering, Modelling, Test / Validation
* Short description of each section in the pipeline

Action: Start planning and allocating tasks

## 08 Feature Extraction / Processing

* Description of features (per model) – what are they, how might they contribute
* Extraction / processing,
* Link to code appendix

Action: Start planning and allocating tasks

## 09 Modelling

* Section per model
* Description of model (high level)
* Code snippets – link to code appendix
* Outputs, metrics, performance

Action: Start planning and allocating tasks

## 10 Test / Validation

* Report on models generalisability, etc.

Action: Start planning and allocating tasks

## 11 Discussion

* Discuss findings – model, EDA, use cases, limitations, observations, possibilities, thoughts

Action: Start planning and allocating tasks

## 12 Conclusion

* Closing paragraph wrapping it up

Action: Start planning and allocating tasks

## Appendix 01 – Literature Review Notes

Action: Link to Github

Action: Cut and paste into wiki

## Appendix 02 – Code

### Appendix 02.1 – Extract / Preprocess

### Appendix 02.2 – EDA

### Appendix 02.3 – Features

### Appendix 02.4 – Modelling

### Appendix 02.5 – Test / Validation

## Appendix 03 – Outputs

## Project Management

### Project Management 01 – Team Charter

### Project Management 02 – Ways of Working

### Project Management 03 – Tools

* + Trello, Github, Teams, VS Code, Python

### Project Management 04 – Team Meeting Notes

### Project Management 05 – Contribution

## Reflection

### Reflection 01 –

### Reflection 02 –

### Reflection 03 –

### Reflection 04 –

### Reflection 05 -