

# DASD Coding Standards

*Data Science Hub*

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# Contents

<b>1</b>	<b>Introduction</b>	<b>5</b>
1.1	Motivation . . . . .	5
1.2	Structure . . . . .	5
1.3	Further guidance . . . . .	6
1.4	Contributing . . . . .	6
<b>2</b>	<b>Minimum Coding Standards</b>	<b>7</b>
2.1	Minimum standards checklist . . . . .	7



# Chapter 1

## Introduction

This repo contains Data and Analytical Service Directorate's (DASD's) Coding Standards.

### 1.1 Motivation

– Filler Text – Within DASD we use coding standards to ensure that all the code we produce is:

- High quality
- Understandable/collaborative
- Reproducible

Break it down by each section. High quality: how do adopting CS make the code high quality? Understandable: how do adopting CS make the code understandable? Reproducible: how do adopting CS make the code reproducible?

### 1.2 Structure

The coding standards are split into two sections:

- Prescriptive minimum coding standards for analytical projects, and
- A set of principles for working on code projects in DASD

The minimum coding standards are required for all projects. The principles have been developed as examples of best practice.

## 1.3 Further guidance

**#1: Reviewing a pull request**

**#2: Manual quality assurance**

**#3: Writing an amazing README.md for your project**

## 1.4 Contributing

If you think that something is missing or not quite right you should either: 1. Contribute directly 2. Raise an issue

## Chapter 2

# Minimum Coding Standards

### 2.1 Minimum standards checklist

All projects should meet our proportionate minimum coding standards, which can be found [here](#).

This checklist covers:

- Code structure
- Reproducibility
- Development workflow
- Documentation
- Unit testing
- Dependency management
- Packages and versions