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## Data Analysis Procedures

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### ABSTRACT

Draft of the procedures and workflow for data analysis within PDI

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**Protocol status:** In development  
We are still developing and optimizing this protocol

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## Introduction

1

### Welcome to the PDI Data Analysis playbook

This document serves as a comprehensive guide to the processes and methodologies followed by our team in data analysis to derive meaningful insights and support informed decision-making. We aim to ensure consistency, reliability, and efficiency in our analytical endeavors by adhering to these standardized procedures.

#### Purpose

This manual is designed to provide a clear and structured framework for conducting data analysis within our team. It outlines the key steps, best practices, and responsibilities associated with data collection, cleaning, exploratory analysis, statistical modeling, reporting, and more. Whether you are a seasoned analyst or are new to our team, this manual is a valuable resource to help you navigate our data analysis processes.

## Governance and Compliance

2

### Compliance with FedRAMP



Ensure that all data analysis and transferal programs adhere to FedRAMP (Federal Risk and Authorization Management Program) standards. Verify that the selected tools and platforms have obtained FedRAMP approval.

#### Endpoint Security

Ensure that antivirus software and security patches are up to date. Ensure that government-issued equipment is used when necessary. If teleworking, only work on secured and private networks (do NOT conduct work on public Wi-Fi, such as Starbucks). Refer to *USDA Information Security Awareness*, USDA policies, and system-specific rules.

## Data Collection

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## Data Cleaning

4

**Exploration and Analysis**

**5**

**Data Modeling**

**6**    TBD