# Using ExcelToShiny

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#### Vignette: Using ExcelToShiny

```
library(ggplot2)
library(ExcelToShiny)
library(readxl)
library(dplyr)
library(rio)
library(NHANES)
library(shiny)
```

### Introduction

This vignette demonstrates how to use the ExcelToShiny package to create a Shiny dashboard from an Excel spreadsheet.

#### Loading an Excel Spreadsheet

To demonstrate the usage of build\_shiny, we'll first load an example Excel file.

```
# Path to the example Excel file
example_excel <- rio::import_list("data/nhanes_data.xlsx")</pre>
```

#### Preparing the Data

We'll prepare the NHANES dataset by selecting individual records and ensuring that the ID column is in character format.

```
# Load the NHANES dataset
data(NHANES)

# Prepare the data by selecting individual records
NHANES_by_ind <- NHANES %>%
    group_by(ID) %>%
    mutate(count = 1:n()) %>%
    filter(count == 1) %>%
    ungroup()
```

```
# Ensure that the ID column is in character format
NHANES_by_ind$ID <- as.character(NHANES_by_ind$ID)</pre>
```

## **Loading Credentials**

We'll load the credentials required for the Shiny app. This isn't always needed - but in our example, we use this in the "Download" tab.

```
# Source the credentials data
source("data/credentials_data.R")
```

#### Creating a Shiny Dashboard

Now, we will use the build\_shiny function to create a Shiny dashboard based on the loaded Excel file and prepared data.

The build\_shiny() function generates a Shiny app.

# Conclusion

This vignette has shown how to use the ExcelToShiny package to generate a Shiny dashboard from an Excel spreadsheet and a prepared dataset.

There is documentation on the different elements of the Excel Spreadsheet available.