Tutorial 2_Code Review

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This is my abstract.

```
'[@tellingstories]'
```

```
[1] "[@tellingstories]"
```

```
'[@citeR]'
```

```
[1] "[@citeR]"
```

```
install.packages("AER")
```

```
Installing package into '/cloud/lib/x86_64-pc-linux-gnu-library/4.3'
(as 'lib' is unspecified)
```

```
install.packages("readr")
```

```
Installing package into '/cloud/lib/x86_64-pc-linux-gnu-library/4.3'
(as 'lib' is unspecified)
```

```
install.packages("opendatatoronto")
```

```
Installing package into '/cloud/lib/x86_64-pc-linux-gnu-library/4.3'
(as 'lib' is unspecified)
```

```r
install.packages("tidyverse")
```

```
Installing package into '/cloud/lib/x86_64-pc-linux-gnu-library/4.3'
(as 'lib' is unspecified)
```

```r
install.packages("janitor")
```

```
Installing package into '/cloud/lib/x86_64-pc-linux-gnu-library/4.3'
(as 'lib' is unspecified)
```

```
# A tibble: 1 x 11
  title             id    topics civic_issues publisher excerpt dataset_category
  <chr>             <chr> <chr>  <chr>        <chr>     <chr>   <chr>
1 Imagination, Man~ 030d~ <NA>   Fiscal resp~ Economic~ This d~ Table
# i 4 more variables: num_resources <int>, formats <chr>, refresh_rate <chr>,
#   last_refreshed <date>
```

```
# A tibble: 66 x 7
   `_id` `Approved IMIT Property`  Registered Property ~1 First Year of Grant ~2
   <int> <chr>                     <chr>                  <chr>
 1     1 100 Adelaide Street West  OREC (RAC) HOLDINGS, ~ 2018
 2     2 101 Commissioners Street  City of Toronto Econo~ TBD
 3     3 106 North Queen Street    Future Bakery Limited  TBD
 4     4 120 Bremner Blvd          bcIMC HOLDCO (2007) I~ 2016
 5     5 125-155 Queens Quay E     Waterfront Toronto     TBD
 6     6 1295 Ormont Drive         Caplink Limited        2018
 7     7 130-132 Queens Quay E     Daniels Waterfront Co~ TBD
 8     8 134 Peter Street          1302207 Ontario Limit~ 2016
 9     9 1395 Tapscott Rd          First Gulf King Stree~ TBD
10    10 143-177 Lake Shore Blvd ~ Daniels QQ Corporation TBD
# i 56 more rows
# i abbreviated names: 1: `Registered Property Owner`,
#   2: `First Year of Grant Period`
# i 3 more variables: `Proposed Total Gross Floor Area (sq.ft.)` <int>,
#   `Is the site considered a Brownfield?` <chr>, `IMIT Eligible Use` <chr>
```

```r
write_csv(x=data, file ="raw_imit_data.csv")
```

```r
raw_bodysafe_data <-
  read_csv(file="raw_imit_data.csv", show_col_types = FALSE)

clean_bodysafe_data <-
  clean_names(raw_bodysafe_data)
head(clean_bodysafe_data)
```

```
# A tibble: 6 x 7
     id approved_imit_property   registered_property_ow~1 first_year_of_grant_~2
  <dbl> <chr>                    <chr>                    <chr>
1     1 100 Adelaide Street West OREC (RAC) HOLDINGS, In~ 2018
2     2 101 Commissioners Street City of Toronto Economi~ TBD
3     3 106 North Queen Street   Future Bakery Limited    TBD
4     4 120 Bremner Blvd         bcIMC HOLDCO (2007) Inc. 2016
5     5 125-155 Queens Quay E    Waterfront Toronto       TBD
6     6 1295 Ormont Drive        Caplink Limited          2018
# i abbreviated names: 1: registered_property_owner,
#   2: first_year_of_grant_period
# i 3 more variables: proposed_total_gross_floor_area_sq_ft <dbl>,
#   is_the_site_considered_a_brownfield <chr>, imit_eligible_use <chr>
```

```r
# Cleaning Data use select() for columns
clean_bodysafe_data<-
  clean_bodysafe_data|>
  select(id, imit_eligible_use)
```

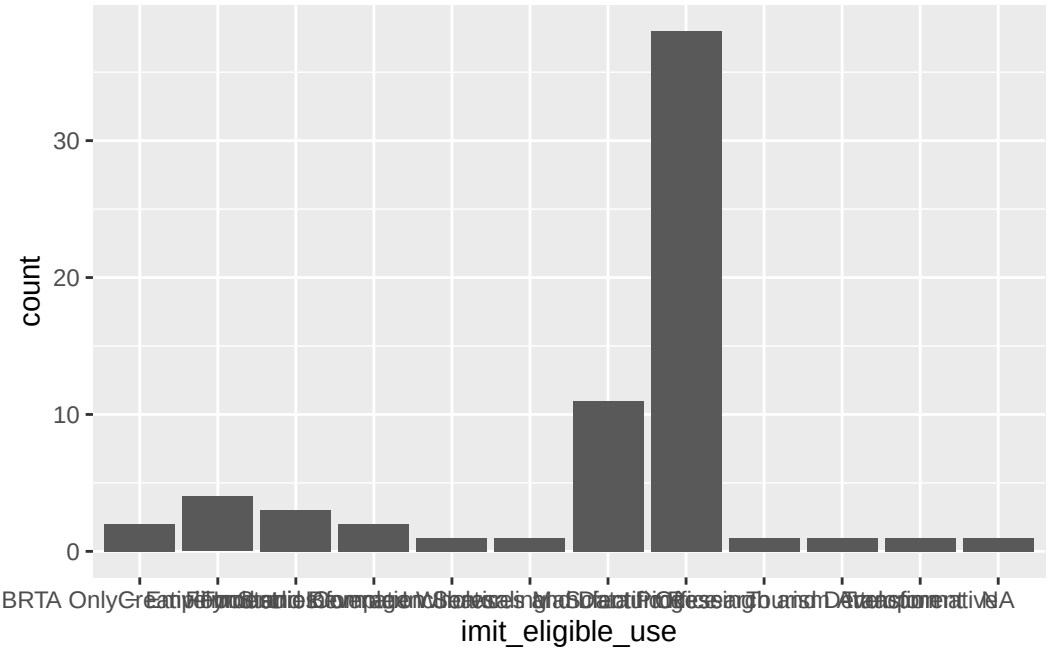
```r
write_csv(
  x = clean_bodysafe_data,
  file = "cleaned_imit_data.csv"
)
```

```r
# Counting the eligible use of Data
clean_bodysafe_data|>
  count(imit_eligible_use)
```

```
# A tibble: 12 x 2
   imit_eligible_use                              n
   <chr>                                      <int>
```

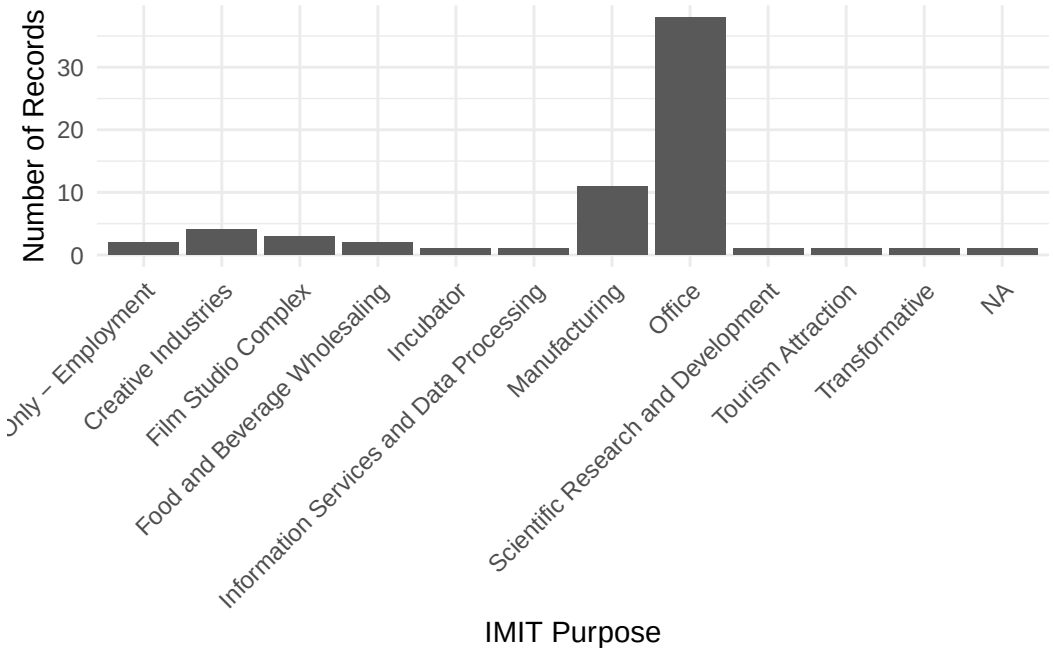
```
 1 BRTA Only - Employment                          2
 2 Creative Industries                             4
 3 Film Studio Complex                             3
 4 Food and Beverage Wholesaling                   2
 5 Incubator                                       1
 6 Information Services and Data Processing        1
 7 Manufacturing                                  11
 8 Office                                         38
 9 Scientific Research and Development             1
10 Tourism Attraction                              1
11 Transformative                                  1
12 <NA>                                            1
```

```
# Creating Bar Graph
clean_bodysafe_data|>
  ggplot(aes(x = imit_eligible_use)) + # aes abbreviates
  geom_bar()
```




```
# Refined version of ggplot - graph
clean_bodysafe_data |>
  ggplot(aes(x = imit_eligible_use)) +
  geom_bar() +
```

```
theme_minimal() + # Make the theme neater
labs(x = "IMIT Purpose", y = "Number of Records") +
theme(axis.text.x = element_text(angle = 45, hjust = 1))
```



Refrences

This is where you include the references you cited in your document using BibTeX keys like (Alexander 2023) and (R Core Team 2021).

git clone https://github.com/Yusuf365/MohammedYusufShaikh_Tutorial2_STA302_Code_Review.git

Alexander, Rohan. 2023. *Telling Stories with Data*. Chapman; Hall/CRC. https://tellingstorieswithdata.com.

R Core Team. 2021. *R: A Language and Environment for Statistical Computing*. Vienna, Austria: R Foundation for Statistical Computing. https://www.R-project.org/.