

# 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)

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

Installing package into '/cloud/lib/x86\_64-pc-linux-gnu-library/4.3'  
(as 'lib' is unspecified)

```
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>
```

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

```
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>
```

```
clean_bodysafe_data<-
  clean_bodysafe_data|>
  select(id, imit_eligible_use)
```

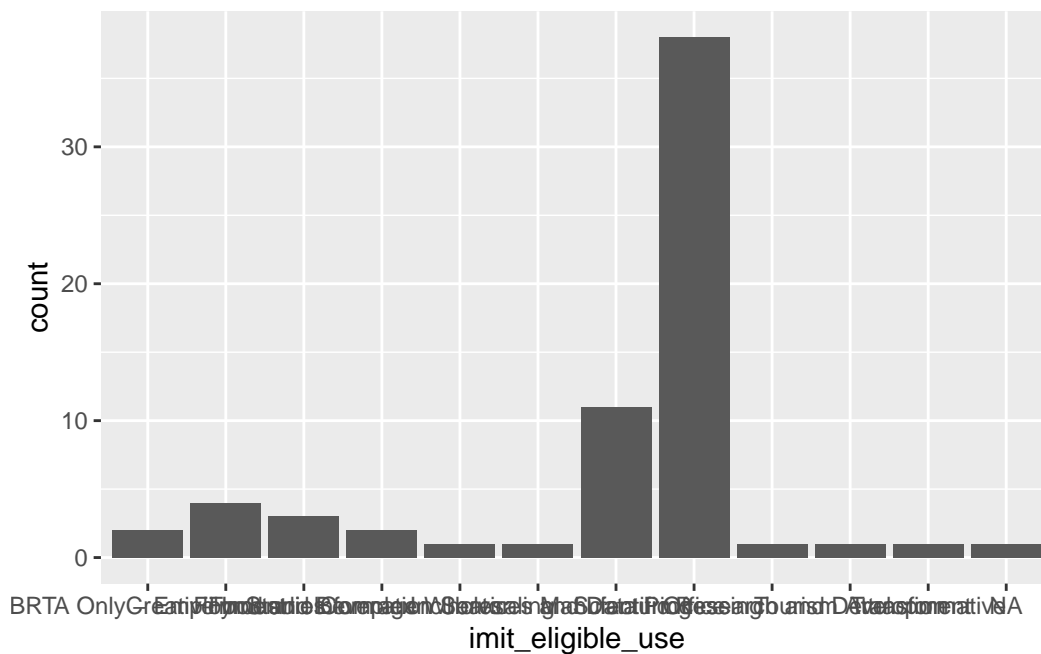
```
write_csv(
  x = clean_bodysafe_data,
  file = "cleaned_imit_data.csv"
)
```

```
clean_bodysafe_data|>
  count(imit_eligible_use)
```

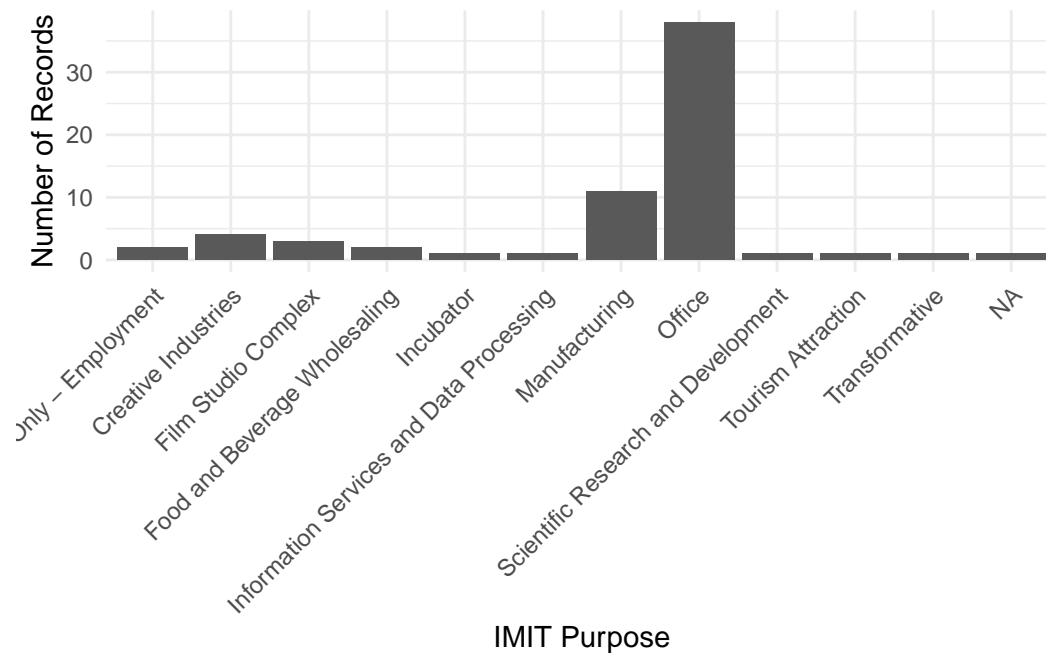
```
# A tibble: 12 x 2
  imit_eligible_use      n
<chr>              <int>
1 BRTA Only - Employment    2
2 Creative Industries       4
```

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

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



```
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))
```



## References

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

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/>.