Attendance-data

```
library(readxl)

# Step 1: Read the Excel file
demographic <- read_excel("data/Demographic Crosstab.xlsx")

# Step 2: Write it out as CSV
write.csv(demographic, "data/Demographic Crosstab.csv")

crosstab <- read_excel("data/Event Crosstab.xlsx")
write.csv(crosstab, "data/Event Crosstab.csv")
```

```
library(tidyverse)
```

```
-- Attaching core tidyverse packages ------------------------ tidyverse 2.0.0 --
v dplyr     1.1.4     v readr     2.1.5
v forcats   1.0.0     v stringr   1.5.1
v ggplot2   3.5.2     v tibble    3.3.0
v lubridate 1.9.4     v tidyr     1.3.1
v purrr     1.1.0
-- Conflicts ------------------------------------------ tidyverse_conflicts() --
x dplyr::filter() masks stats::filter()
x dplyr::lag()    masks stats::lag()
i Use the conflicted package (<http://conflicted.r-lib.org/>) to force all conflicts to becor
```

```
library(tidymodels)
```

```
-- Attaching packages --------------------------------------- tidymodels 1.3.0 --
v broom        1.0.9     v rsample      1.3.1
v dials        1.4.2     v tune         2.0.0
v infer        1.0.9     v workflows    1.3.0
```

```
v modeldata    1.5.1     v workflowsets 1.1.1
v parsnip      1.3.3     v yardstick    1.3.2
v recipes      1.3.1
-- Conflicts ---------------------------------------- tidymodels_conflicts() --
x scales::discard() masks purrr::discard()
x dplyr::filter()   masks stats::filter()
x recipes::fixed()  masks stringr::fixed()
x dplyr::lag()      masks stats::lag()
x yardstick::spec() masks readr::spec()
x recipes::step()   masks stats::step()
```

```
demographic <- read_csv("data/Demographic Crosstab.csv")
```

```
New names:
Rows: 6986 Columns: 15
-- Column specification
-------------------------------------------------------- Delimiter: "," chr
(13): Duid, Race Summary1, International Status1, Birth Sex1, First Gene... dbl
(1): ...1 num (1): Total Records
i Use `spec()` to retrieve the full column specification for this data. i
Specify the column types or set `show_col_types = FALSE` to quiet this message.
* `` -> `...1`
```

```
event <- read_csv("data/Event Crosstab.csv")
```

```
New names:
* `` -> `...1`

Warning: One or more parsing issues, call `problems()` on your data frame for details,
e.g.:
  dat <- vroom(...)
  problems(dat)

Rows: 2183 Columns: 19
-- Column specification --------------------------------------------------------
Delimiter: ","
chr (6): Group Name, Group Acronym, Group Type, Event Name, Event Type, Mont...
dbl (9): ...1, Event ID, Year of Event Start Date, Day of Event Start Date, ...
num (4): Total Attendees - CHECKED IN (not unique), AGGREGATE: Total Number ...

i Use `spec()` to retrieve the full column specification for this data.
i Specify the column types or set `show_col_types = FALSE` to quiet this message.
```

```
demographic |>
  group_by(`Race Summary1`) |>
  count()
```

```
# A tibble: 8 x 2
# Groups:   Race Summary1 [8]
  `Race Summary1`                                n
  <chr>                                      <int>
1 Asian                                       2018
2 Black                                        625
3 Hispanic                                     213
4 Multiple Identities                         1056
5 Native Alaskan / Native American              11
6 Native Hawaiian / Other Pacific Islander       6
7 Unknown                                      635
8 White                                       2422
```

```
demographic |>
  group_by(`International Status1`) |>
  count()
```

```
# A tibble: 2 x 2
# Groups:   International Status1 [2]
  `International Status1`     n
  <chr>                   <int>
1 International            1665
2 Not International        5321
```

```
demographic |>
  group_by(`Birth Sex1`) |>
  count()
```

```
# A tibble: 3 x 2
# Groups:   Birth Sex1 [3]
  `Birth Sex1`     n
  <chr>        <int>
1 Female        3977
2 Male          3003
3 Unknown          6
```

```
demographic |>
  group_by(`First Generation Status1`) |>
  count()
```

```
# A tibble: 2 x 2
# Groups:   First Generation Status1 [2]
  `First Generation Status1`     n
  <chr>                      <int>
1 First-Generation             582
2 Not First-Generation        6404
```

```
demographic |>
  group_by(`On-Campus Status`) |>
  count()
```

```
# A tibble: 2 x 2
# Groups:   On-Campus Status [2]
  `On-Campus Status`     n
  <chr>              <int>
1 Not On-Campus       6441
2 On-Campus            545
```

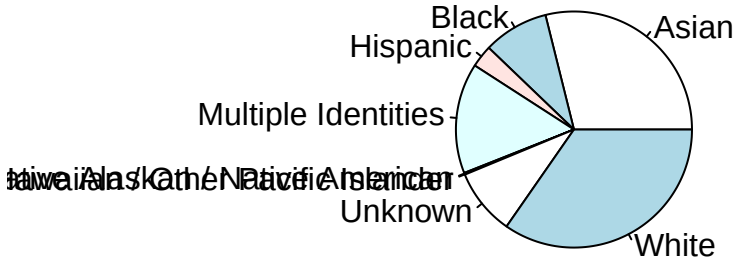
```
demographic |>
  group_by(`Academic Program Affiliation Summary`) |>
  count()
```

```
# A tibble: 21 x 2
# Groups:   Academic Program Affiliation Summary [21]
   `Academic Program Affiliation Summary`     n
   <chr>                                  <int>
 1 Allied Health Graduate Program            42
 2 Divinity School                           54
 3 Engineering Professional                 156
 4 Fuqua School of Business                 130
 5 Grad - Masters Engineering                 2
 6 Graduate                                 839
 7 Interinstitutional Undergrad               5
 8 Law School                                71
 9 MMS-Foundations  of Business               1
10 Multiple Academic Careers                229
# i 11 more rows
```

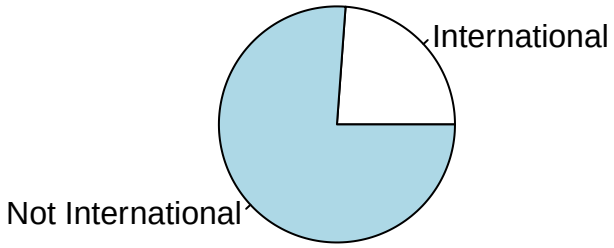
```r
demographic |>
  group_by(`Major Summary`) |>
  count()
```

```
# A tibble: 205 x 2
# Groups:   Major Summary [205]
   `Major Summary`                     n
   <chr>                           <int>
 1 Adult-Gerontlgy NP AcuteCare-M      1
 2 African & African Am St (AB)        8
 3 Analytical Political Econ - AM      7
 4 Art History (AB)                    5
 5 Art History/Visual Arts (AB)        2
 6 Art and Art History-PHD             8
 7 Asian & Mid East Studies (AB)       2
 8 Bachelors of Science - Nursing     16
 9 Biochemistry-PHD                    8
10 Bioethics and Sci Policy - AM       9
# i 195 more rows
```

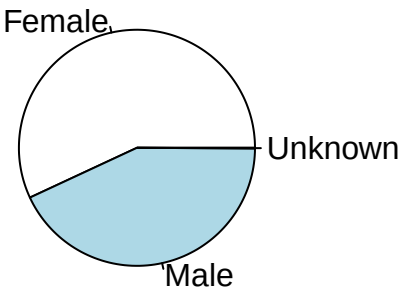
```r
race_count <- table(demographic$`Race Summary1`)
pie(race_count)
```



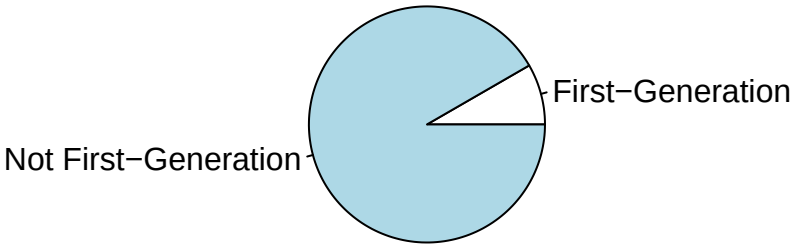
```r
international <- table(demographic$`International Status1`)
pie(international)
```



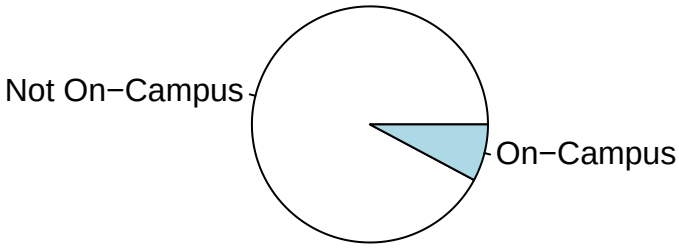

```r
gender <- table(demographic$`Birth Sex1`)
pie(gender)
```



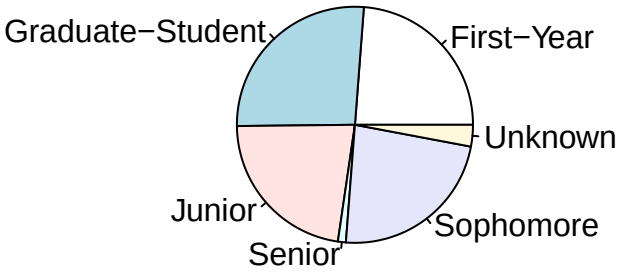

```
generation <- table(demographic$`First Generation Status1`)
pie(generation)
```



```r
campus <- table(demographic$`On-Campus Status`)
pie(campus)
```




```r
year <- table(demographic$`Registrar Class Year - Academic Year`)
pie(year)
```




```
age <- table(demographic$`Age Groups`)
pie(age)
```