Anatomical Structures - CT-Pop Cell Types Stacked Bar Graphs - Notebook

Contents

1 Environment

```
library(tidyr)
library(plyr)
library(dplyr)
library(magrittr)
library(ggplot2)
library(stringr)

options(scipen = 999)

knitr::opts_chunk$set(
    echo = FALSE,
    message = FALSE,
    warning = FALSE,
    fig.align='center',
    fig.pos='H',
    fig.path = "../output/barplots/",
```

```
    dev = c("pdf"),
    dpi=500
)
```

2 Load Data

3 Preparing Data

4 Subsetting data by Organ

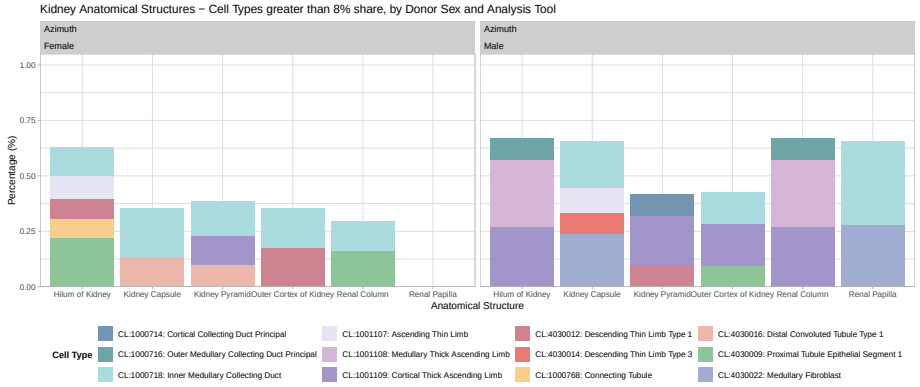
5 Visualization

Base design for 100% stacked bar graphs representing the cell types commonly identified in anatomical structures within donated organs.

For each set of records associated with organs: Bars represent an anatomical structure, Bar segments are associated with Cell Type percentage measures values segments should total to at most 1 or 100%. mean cell type percentage calculation - organ, sex, tool, as Bar color represents cell types Facets represent combination of analytic tool and gender OR analytic method.

5.1 Heart - Anatomical Structure - Cell Types

5.2 Kidney - Anatomical Structure - Cell Types



5.3 Large Intestine