Results

2025-08-06

```
library(ggplot2)
library(dplyr)
```

```
##
## Attaching package: 'dplyr'

## The following objects are masked from 'package:stats':
##
##     filter, lag

## The following objects are masked from 'package:base':
##
##     intersect, setdiff, setequal, union
```

```
library(scales)
```

ASA Experiment 1

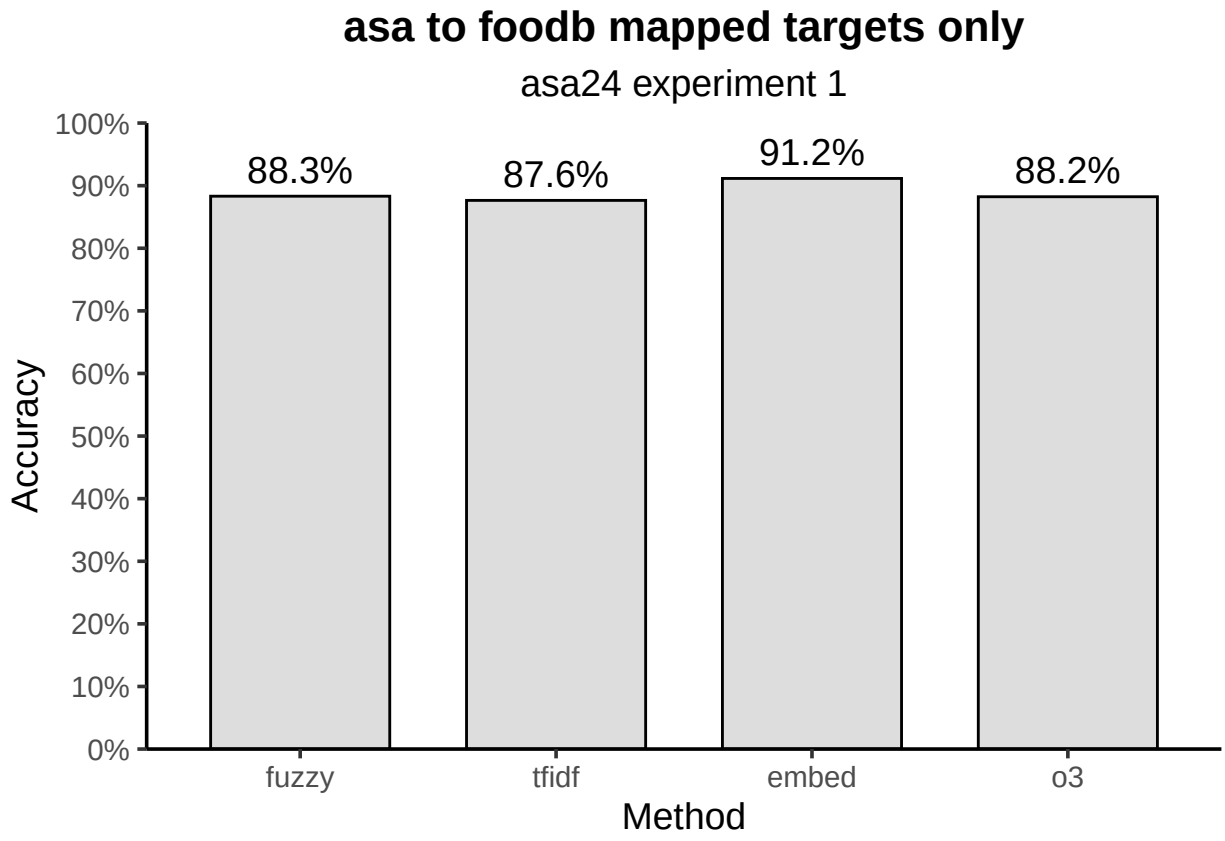
```
# read in file
file_name <- "asa24_experiment_1_accuracy.csv"  # Change this
file_path <- file.path("..", "results", "accuracy_tables", file_name)

# Load accuracy data
accuracy_data <- read.csv(file_path)

# Prepare data
accuracy_data <- accuracy_data %>%
  mutate(method = factor(method, levels = unique(method)))

# Plot
ggplot(accuracy_data, aes(x = method, y = accuracy * 100)) +
  geom_bar(stat = "identity", width = 0.7, fill = "#DDDDDD", color = "black") +
  geom_text(aes(label = sprintf("%.1f%%", accuracy * 100)),
            vjust = -0.5, size = 5) +
  scale_y_continuous(
    labels = percent_format(scale = 1),
    breaks = seq(0, 100, by = 10),
    limits = c(0, 100),
    expand = c(0, 0)
  ) +
  labs(
```

```
    title = "asa to foodb mapped targets only",
    subtitle = "asa24 experiment 1",
    x = "Method",
    y = "Accuracy"
  ) +
  theme_classic(base_size = 14, base_family = "Helvetica") +
  theme(
    axis.text.x = element_text(angle = 0, hjust = 0.5),
    plot.title = element_text(size = 16, face = "bold", hjust = 0.5),
    plot.subtitle = element_text(hjust = 0.5),
    legend.position = "none"
  )
```



ASA Experiment 2

NHANES Experiment 1

NHANES Experiment 2

NHANES Experiment 3

ASA Experiment 4