Main_Out

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```
library(ggplot2)
library(dplyr)
library(gghighlight)
df <- read.csv("Counsumer_Price_Index.csv")</pre>
df <- df %>%
  rename(Location = i..Location)
sav <- df %>%
  filter(Location %in% c("IRL", "CAN", "AUS",
                             "USA", "FRA", "DEU",
                             "ESP", "ITA", "NLD", "OECD")) %>%
  filter(Time == "2022-12") %>%
  mutate(Location = recode(Location,
                            "IRL" = "IRELAND",
                            "AUS" = "AUSTRALIA",
                            "USA" = "UNITED STATES",
                            "DEU" = "GERMANY",
                            "CAN" = "CANADA",
                            "ESP" = "SPAIN",
                            "ITA" = "ITALY",
                            "FRA" = "FRANCE",
                            "NLD" = "NETHERLANDS")) %>%
  filter(Subject != "Energy")
order <- sav %>%
  group_by(Location) %>%
  summarise(sum = sum(Percentage)) %>%
  arrange(desc(sum)) %>%
  select(Location) %>%
  unlist() %>%
  unname()
colorblind_colors <- colorBlindness::availableColors()</pre>
```

geom_col(data = filter(sav, Location == "IRELAND"), fill = colorblind_colors[2],

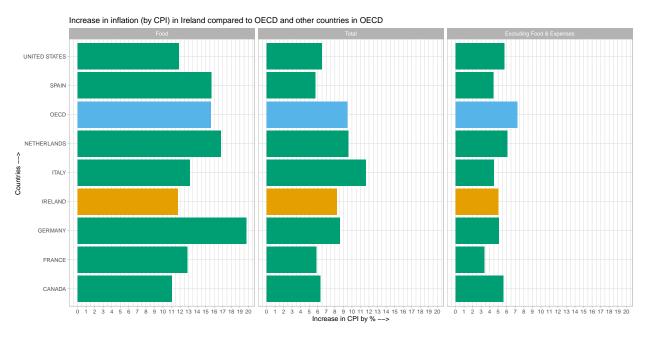
geom_col(data = filter(sav, Location == "OECD"), fill = colorblind_colors[3],

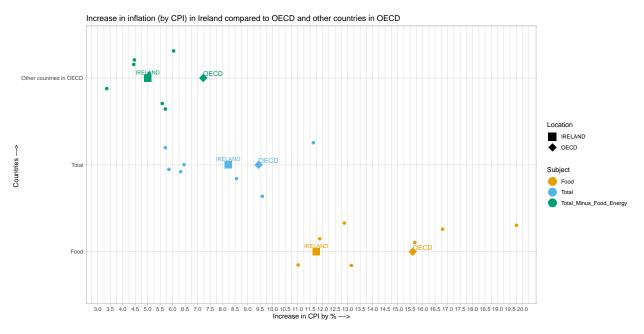
ggplot(aes(x = factor(Location, order), y = Percentage)) +

linewidth=0.2, position="dodge")+

sav %>%

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linewidth=0.2, position="dodge")+
xlab("Countries --> ") +
geom_col(data = filter(sav, !Location %in% c("OECD", "IRELAND")),
         fill = colorblind_colors[4] ,linewidth=0.2, position="dodge")+
xlab("Countries --> ") +
ylab("Increase in CPI by % -->")+
facet_grid(~Subject,
           labeller = as labeller(c("Food" = "Food",
                                    "Total" = "Total",
                                    "Total_Minus_Food_Energy" = "Excluding Food & Expenses")))+
coord_flip()+
labs(fill = "Country / Organization")+
scale_y_continuous(breaks = round(seq(0, 20, by = 1),1))+
scale_fill_discrete(name = "Country / Organization",
                    labels = c("OECD", "Other countries in OECD", "IRELAND")) +
theme(axis.text.x = element_text(angle = 90, vjust = 0.5, hjust=1),
      legend.position = "top",)+
ggtitle(label = "Increase in inflation (by CPI) in Ireland compared to OECD and other countries in OE
theme_light()
```





```
order <- sav %>%
  filter(Subject == "Food") %>%
  arrange(desc(Percentage)) %>%
  select(Location) %>%
  unlist() %>%
  unname()
order <- replace(order, c(1, 8), order[c(8, 1)])
sav %>%
  ggplot(aes(x = factor(Location, order), y = Percentage, color = Subject))+
  geom_point(data = filter(sav, Location != "IRELAND"),
             size = 4, position = position_dodge(0.5))+
  geom_point(data = filter(sav, Location == "IRELAND"),
             size = 6, position = position_dodge(1))+
  geom_linerange(data = filter(sav, Location == "IRELAND"),
                 aes(ymin = 0, ymax = Percentage),
                 position = position_dodge(1),
                linetype = "dashed") +
  geom_linerange(data = filter(sav, Location != "IRELAND"),
                aes(ymin = 0, ymax = Percentage),
                 position = position_dodge(0.5), linetype = "dashed") +
  scale_color_manual(values=c(unname(colorblind_colors[2]),
```

Increase in inflation (by CPI) in Ireland compared to OECD and other countries in OECD

