Wheat Yields FAO

Graphs for wheat yields

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```
library(agData) # devtools::install_github("derekmichaelwright/agData")
```

A) SubRegions

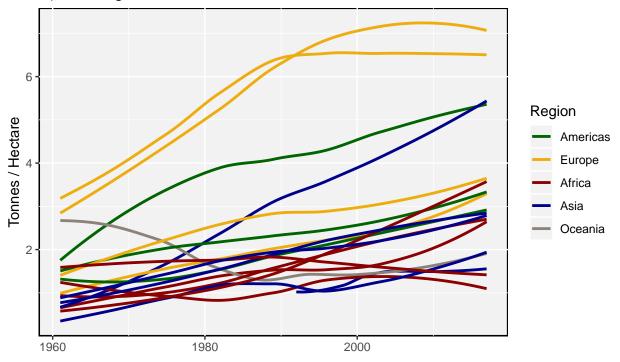


Figure 1: Wheat yields.

```
left_join(agData_FAO_Country_Table, by = c("Area"="Country"))
x1 <- xx %>% filter(Region == "Americas")
x2 <- xx %>% filter(Region == "Europe")
x3 <- xx %>% filter(Region == "Africa")
x4 <- xx %>% filter(Region %in% c("Asia", "Oceania"))
# Create plot function
my_ggplot <- function(x){</pre>
 ggplot(x, aes(x = Year, y = Value, color = SubRegion) ) +
   geom line() +
  facet_wrap(Area~., ncol = 6) +
  theme_agData() +
  theme(legend.position = "none",
        axis.text.x = element_text(angle = 90, vjust = 0.5),
        plot.caption = element_text(vjust = 1)) +
  scale_color_manual(values = agData_Colors) +
  scale_x_continuous(breaks = seq(1965, 2015, by = 10), minor_breaks = NULL) +
  scale_y\_continuous(breaks = c(2, 4, 6, 8, 10)) +
  coord_cartesian(ylim = c(0,11)) +
  labs(caption = "\xa9 www.dblogr.com/ | Data: www.fao.org/faostat/",
       y = "Tonnes / Hectare", x = NULL)
# Plot
my_ggplot(x1) + labs(title = "Wheat Yields - Americas")
```

Wheat Yields - Americas

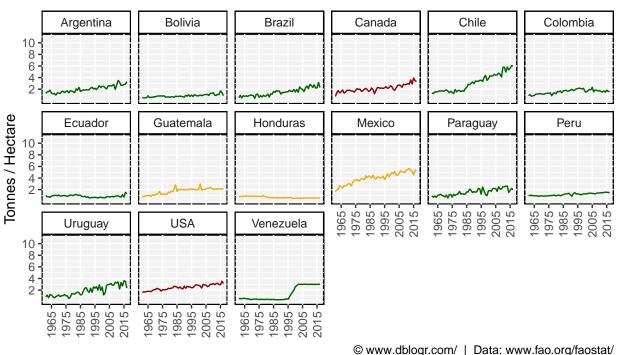
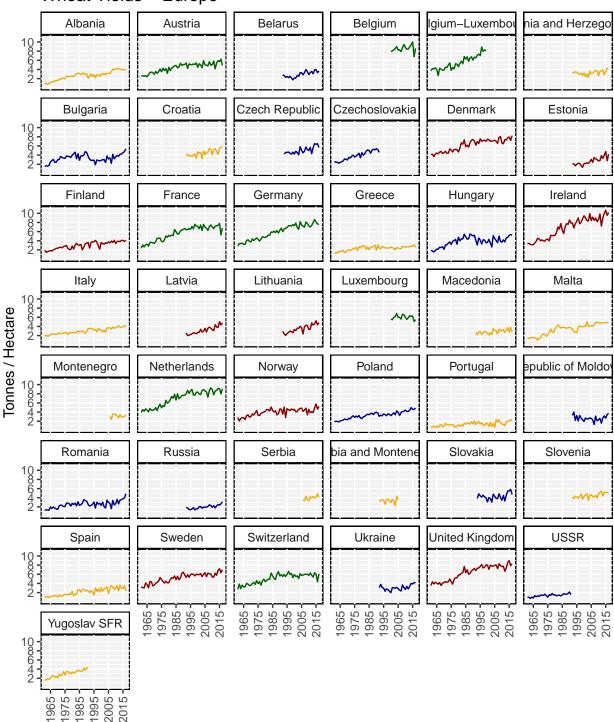


Figure 2: Wheat yields.

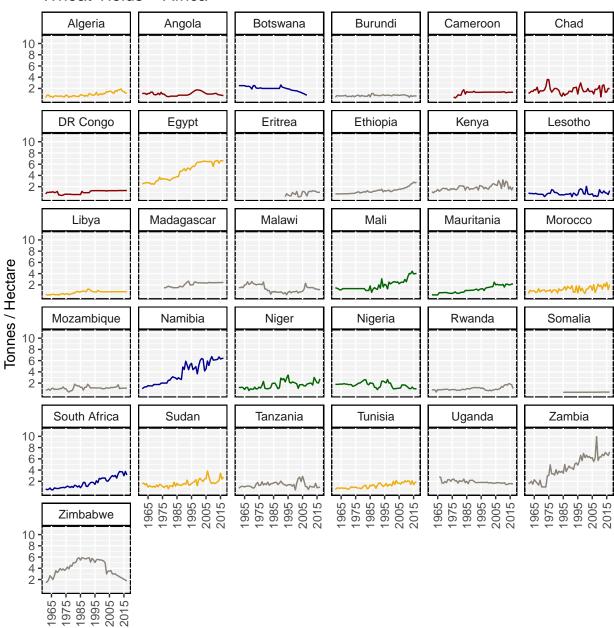
Wheat Yields - Europe



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Figure 3: Wheat yields.

Wheat Yields - Africa



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Figure 4: Wheat yields.

Wheat Yields - Asia + Oceania

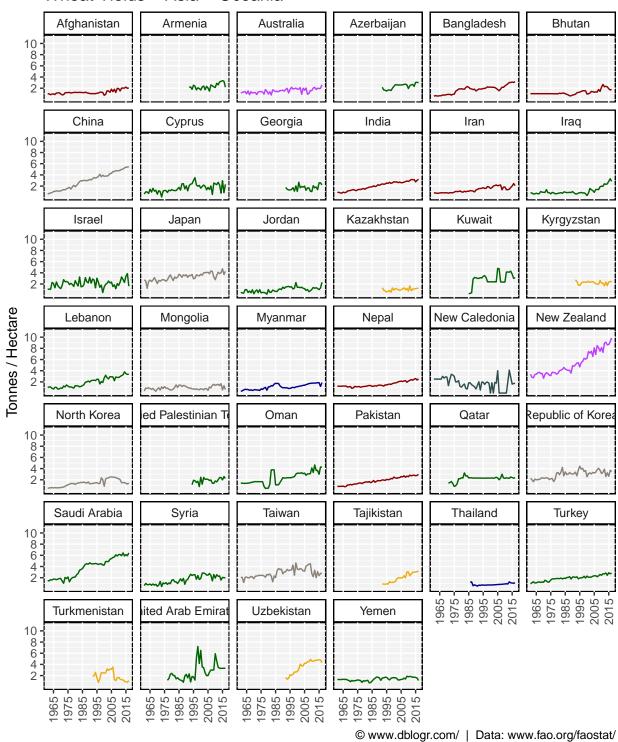


Figure 5: Wheat yields.

```
# Prep data
xx <- agData_FAO_Crops %>%
  filter(Crop == "Wheat", Measurement == "Yield",
         Area %in% agData_FAO_Country_Table$SubRegion) %>%
 left_join(agData_FAO_Country_Table, by = c("Area"="SubRegion")) %>%
  arrange(Region) %>%
  mutate(Area = factor(Area, levels = unique(Area)))
ggplot(xx, aes(x = Year, y = Value, color = Region) ) +
  geom_line() + facet_wrap(Area~., ncol = 6) + theme_agData() +
  theme(legend.position = "none",
       axis.text.x = element_text(angle = 90, vjust = 0.5),
        plot.caption = element_text(vjust = 1)) +
  scale_color_manual(values = agData_Colors) +
  scale_x_continuous(breaks = seq(1965, 2015, by = 10), minor_breaks = NULL) +
  scale_y_continuous(breaks = c(2, 4, 6, 8)) +
  labs(title = "Wheat Yields", y = "Tonnes / Hectare", x = NULL,
       caption = "\xa9 www.dblogr.com/ | Data: www.fao.org/faostat/")
```

Wheat Yields

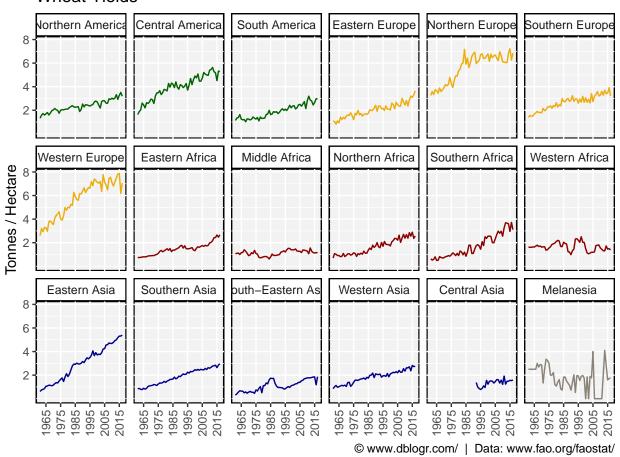


Figure 6: Wheat yields.