Popupation pyramids updated

```
## -- Attaching packages ---------------------- tidyverse 1.2.1 --

## v ggplot2 3.2.0     v purrr   0.3.2
## v tibble  2.1.3     v dplyr   0.8.1
## v tidyr   0.8.3     v stringr 1.4.0
## v readr   1.3.1     v forcats 0.4.0

## -- Conflicts ------------------------- tidyverse_conflicts() --
## x dplyr::filter() masks stats::filter()
## x dplyr::lag()    masks stats::lag()

## Parsed with column specification:
## cols(
##   .default = col_double(),
##   source = col_character(),
##   area = col_character(),
##   iso = col_character(),
##   adm_id = col_character()
## )

## See spec(...) for full column specifications.
```

```
newdf <- mydt %>% filter(iso=='UGA')%>% gather(variable, value,6:761) %>% separate(variable,c('year','s
  spread(year, value) %>%
  mutate(age2=recode(age, '1'='0-4', '4'='0-4', '5'='5-9','10'='10-14','15'='15-19', '20'='20-24', '25'=
  mutate(age=recode(age, '1'='0', '4'='0'))

newdf$age <- as.numeric(newdf$age)
newdf1 <- newdf %>%
  mutate(ageno = as.numeric(age) - 0.5)

#
newdf2 <- newdf1 %>%
  select(c(1:7, 29, 30, 8, 13, 18, 23, 28)) %>%
  gather(key = year, value = pop, 10:14) %>%
  # mutate(pop = pop/1e03) %>%
  filter(iso == "UGA"&adm_id==c("UGMIS2014452022"), year %in% c(2000, 2005, 2010, 2015, 2020))

newdf4 <- newdf2 %>%
  group_by(iso, adm_id, id, year, sex, age, age2, ageno) %>%
  summarise(pop= sum(pop)) %>%
  mutate(ageno = ageno + 1)

library(ggthemes)
ggplot(data = newdf4, aes(x = age, y = pop/1000, fill = year)) +
  #bars for all but 2100
  geom_bar(data = newdf4 %>% filter(sex == "female", year != 2100) %>% arrange(rev(year)),
           stat = "identity",
           position = "identity", width = 4.5) +
```

```r
geom_bar(data = newdf4 %>% filter(sex == "male", year != 2100) %>% arrange(rev(year)),
         stat = "identity",
         position = "identity",
         mapping = aes(y = -pop/1000)) +
#steps for 2100
# geom_step(data =  newdf4 %>% filter(sex == "female", year == 2020),
#           aes(x = ageno), size = 1) +
# geom_step(data =  newdf4 %>% filter(sex == "male", year == 2020),
#           aes(x = ageno, y = -pop), size = 1) +
coord_flip() +
#extra style shazzaz
scale_y_continuous(labels = abs, breaks = seq(-600, 600, 250)) +
geom_hline(yintercept = 0) +
theme_economist_white(horizontal = FALSE) +
scale_fill_economist() +
labs(fill = "", x = "", y = "")
```