

Untitled

Areum Han

2023-10-24

1

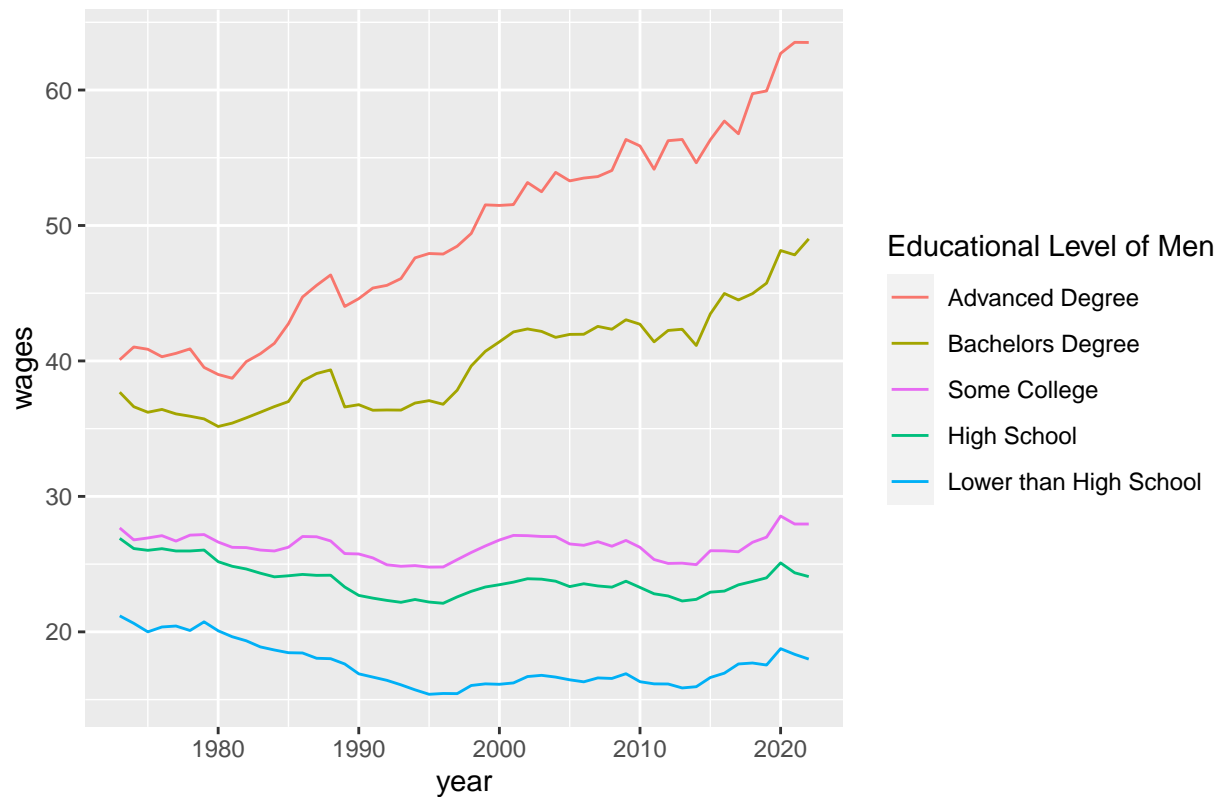
```
wbe_men <- wages_by_education %>%  
  select(year, men_less_than_hs:men_advanced_degree)
```

```
wbe_women <- wages_by_education %>%  
  select(year, women_less_than_hs:women_advanced_degree)
```

```
wbe_men2 <- wbe_men %>%  
  pivot_longer(cols = 2:men_advanced_degree, names_to = 'educational_level',  
               values_to = 'wages' )
```

```
wbe_men2 %>%  
  ggplot()+  
  geom_line(  
    mapping = aes(x = year, y = wages,  
                  color = educational_level)  
  )+  
  scale_color_discrete(name = "Educational Level of Men",  
                       breaks = c("men_advanced_degree",  
                                   "men_bachelors_degree",  
                                   "men_some_college",  
                                   "men_high_school",  
                                   "men_less_than_hs"),  
                       labels = c("Advanced Degree",  
                                   "Bachelors Degree",  
                                   "Some College",  
                                   "High School",  
                                   "Lower than High School"))+  
  labs(title="Average Wages of men by Educational Level Over the Years"  
  )
```

Average Wages of men by Educational Level Over the Years



```
wbe_women2 <-wbe_women %>%
  pivot_longer(cols =2:women_advanced_degree, names_to = 'educational_level',
               values_to = 'wages' )
```

```
wbe_women2 %>%
  ggplot()+
  geom_line(
    mapping = aes(x = year, y = wages,
                  color = educational_level))+
  scale_color_discrete(name = "Educational Level of Women",
                      breaks =c("women_advanced_degree",
                                "women_bachelors_degree",
                                "women_some_college",
                                "women_high_school",
                                "women_less_than_hs"),
                      labels = c("Advanced Degree",
                                "Bachelors Degree",
                                "Some College",
                                "High School",
                                "Lower than High School"))+
  labs(title="Average Wages of Women by Educational Level Over the Years"
  )
```

Average Wages of Women by Educational Level Over the Years

