Plotting Time Series Data

We're going to use the in-built dataset "Economics". This contains monthly data corresponding to US population size, personal savings rate, unemployment numbers (and much more)…

```
> str(economics)
Classes 'tbl_df', 'tbl' and 'data.frame':    574 obs. of  6 variables:
 $ date    : Date, format: "1967-07-01" "1967-08-01" "1967-09-01" ...
 $ pce     : num   507 510 516 513 518 ...
 $ pop     : int   198712 198911 199113 199311 199498 199657 199808 199920 200056
200208 ...
 $ psavert : num   12.5 12.5 11.7 12.5 12.5 12.1 11.7 12.2 11.6 12.2 ...
 $ uempmed : num   4.5 4.7 4.6 4.9 4.7 4.8 5.1 4.5 4.1 4.6 ...
 $ unemploy: int   2944 2945 2958 3143 3066 3018 2878 3001 2877 2709 ...
```

We're going to plot some time series graphs revealing population size, personal savings rate, and unemployment numbers over time.

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```
ggplot(economics, aes(x=date)) +
  geom_line(aes(y = pop)) +
  labs(title = "Time Series
Chart",
      subtitle = "US Population
Size from 'Economics' Dataset",
      caption = "Source:
Economics",
      y = "Total Population
(thousands)", x = "Date")
```