

```
library(statebins)
library(magick)
library(tidyverse)
```

```
flu <- ili_weekly_activity_indicators(2017)
```

```
frames <- image_graph(width=1800, height=1200, res=144)
```

```
arrange(flu, weekend) %>%
  pull(weekend) %>%
  unique() %>%
  map(~{
    filter(flu, weekend == .x) %>%
      statebins(state_col = "statename", value_col = "activity_level",
                round = TRUE,
                ggplot2_scale_function = viridis::scale_fill_viridis,
                limits=c(0,10),
                name = "ILI Activity Level ") +
    labs(title = sprintf("U.S. ILI Weekly Activity : Week Ending %s / 2017-18", .x)) +
    theme_statebins(base_family = "Roboto Condensed") -> gg
    print(gg)
  }) -> y
```

```
gif <- image_animate(frames, 1)
image_write(gif, "fluview.gif")
```

U.S. ILI Weekly Activity : Week Ending 2017-10-07 / 2017-18

