A new way to group


```
airbnb %>%
  collapse_by(period = "2 hour", clean = TRUE) %>%
  group_by(last_modified) %>%
  summarise(median_price = median(price))
```

```
# A time tibble: 8 x 2
# Index: last_modified

     last_modified                    median_price
     <dttm>                           <dbl>
1    2017-07-11 16:00:00 [14-16)      55.0
2    2017-07-11 18:00:00 [16-18)      100
3    2017-07-11 20:00:00 [18-20)      199
4    2017-07-11 22:00:00 [20-22)      450
5    2017-07-12 00:00:00 [22-00)      152
6    2017-07-12 02:00:00 [00-02)      285
7    2017-07-12 04:00:00 [02-04)      882
8    2017-07-12 06:00:00 [04-06)      40.0
```

The possibilities are endless


```
library(ggmap)
library(gganimate)

airbnb_plot ← airbnb %>%

  # Collapse and clean
  collapse_by(period = "hour", clean = TRUE) %>%

  # Throw out a few outliers
  filter(
    between(price, quantile(price, .05), quantile(price, .95))
  ) %>%

  # Map and animate
  qmplot(longitude, latitude, data = ., geom = "blank") +
  geom_point(
    aes(color = price, size = price, frame = last_modified),
    alpha = .5) +
  scale_color_continuous(low = "red", high = "blue")

gganimate(airbnb_plot)
```