

DRAWING A CIRCLE

Calculation

```
# Create a Stat subclass
```

```
StatCirc ← ggproto('StatCirc', Stat,  
  setup_data = function(data, params) {  
    if (data$group[1] == -1) {  
      nrows ← nrow(data)  
      data$group ← seq_len(nrows)  
    }  
    data  
  },  
  compute_group = function(data, scales,  
                             n = 360) {  
    create_circle(data, n)  
  },  
  required_aes = c('x0', 'y0', 'r')  
)
```


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Requirements

Create a Stat subclass

```
StatCirc <- ggproto('StatCirc', Stat,  
  setup_data = function(data, params) {  
    if (data$group[1] == -1) {  
      nrows <- nrow(data)  
      data$group <- seq_len(nrows)  
    }  
    data  
  },  
  compute_group = function(data, scales,  
                             n = 360) {  
    create_circle(data, n)  
  },  
  required_aes = c('x0', 'y0', 'r')  
)
```