R as a Calculator

Calculator-like operations

- Standard interactive R
- RStudio console provides some conveniences
- Can do some simple programming interactively

Example: Roll angle for a 4-min turn

$$\frac{v^2}{r} = g \tan \phi$$

$$2\pi r = vT$$

$$\phi = \arctan\left(\frac{2\pi v}{gT}\right)$$