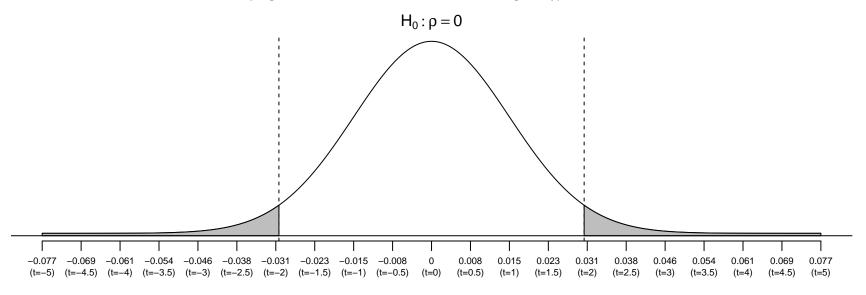
Handout 9: Hypothesis test for a correlation coefficient ρ

```
r <- cor(politics$income, politics$age)
se <- sqrt((1-r^2)/(nrow(politics)-2))
c(r=r, se=se)
## r se</pre>
```

r se ## 0.007618649 0.015364181

Sampling distribution of correlation coefficient, assuming null hypothesis is true



sample r

Reject Fail to Reject

Name (Print and Sign):