Equitable Equations: *Calculating in the t-distribution*

Problem 1

Compute $P(T < -1.1)$ in $t(22)$.

Problem 2

Compute $P(-1.5 < T < .4)$ in $t(5)$.

Problem 3

Find the number τ such that $P(T > \tau) = .05$ in $t(80)$. Note that this a right-tailed probability, not a left-tailed one.

Problem 4

Find the number τ such that 95% of the area under $t(6)$ lies between $-\tau$ and τ.