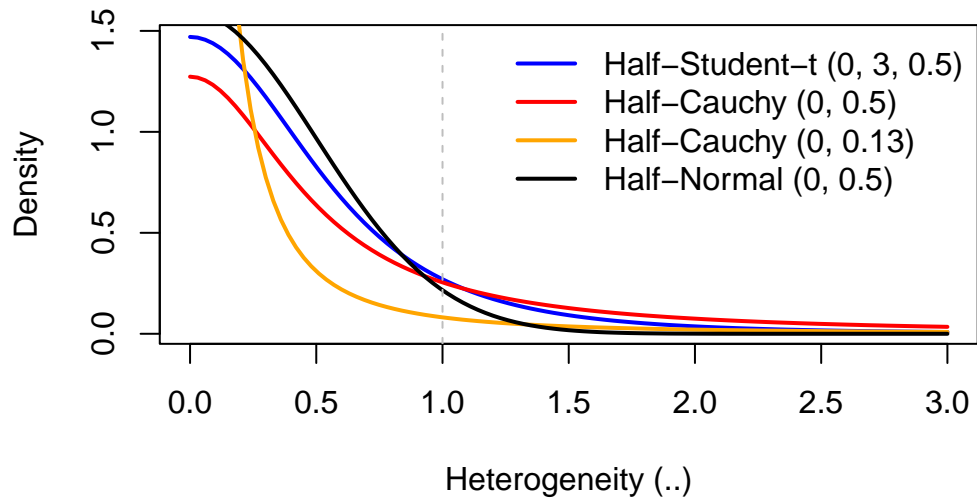# Wrangle

```r
psycbul <- readxl::read_excel("/Users/thea/Downloads/jopd-5-33-s2.xlsx")
```

```r
psycbul_r <- psycbul |>
  filter(grepl("Pearson's r", Type_of_ES))
```
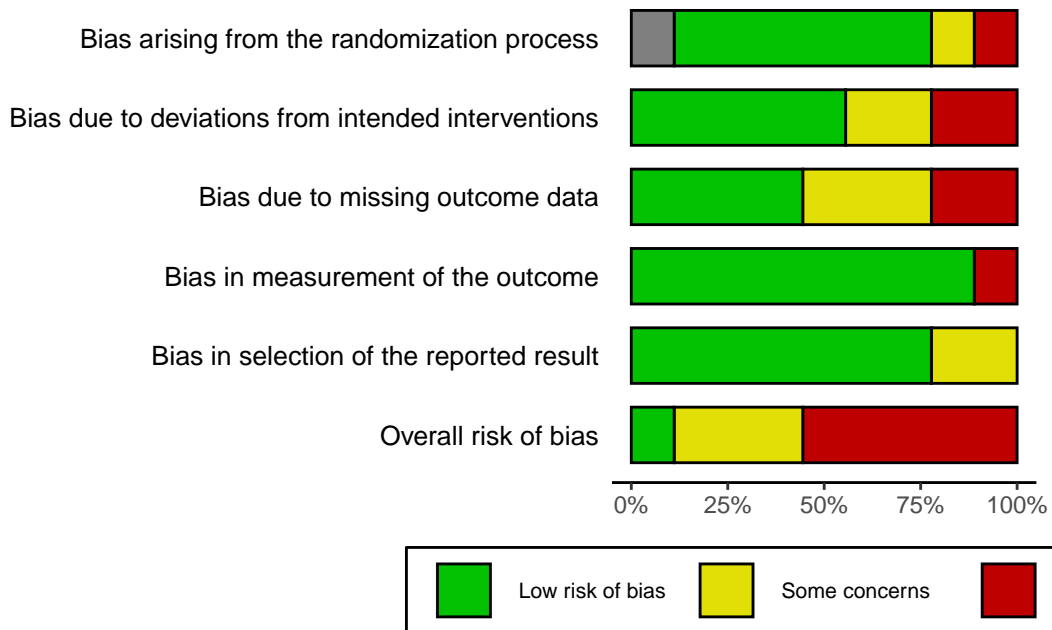
```r
knitr::kable(favstats(psycbul_r$tau))
```

min	Q1	median	Q3	max	mean	sd	n	missing
0	0.05	0.12	0.18	0.52	0.1267	0.0968	498	42

```r
library(extraDistr)
curve(dht(x, 3, 0.5), 0, 3, col = "blue", ylab = "Density", xlab = "Heterogeneity (\u03c4
curve(dhcauchy(x, 0.5), 0, 3, col = "red", add = TRUE, lwd = 2)
curve(dhcauchy(x, 0.13), 0, 3, col = "orange", add = TRUE, lwd = 2)
curve(dhnorm(x, 0.5), 0, 3, col = "black", add = TRUE, lwd = 2)
abline(v = 1, col = "gray", lty = 2)
legend("topright", legend = c("Half-Student-t (0, 3, 0.5)", "Half-Cauchy (0, 0.5)", "Half-
```

```
library(robvis)
data_rob2 <- read.csv("~/Desktop/ROB2_example.csv")
rob_summary(data_rob2, tool = "ROB2", overall = "TRUE", weighted = "FALSE")
```



```
rob_traffic_light(data_rob2, tool = "ROB2", psize = 10)
```

Warning: Removed 12 rows containing missing values (`geom_point()`).

```
Removed 12 rows containing missing values (`geom_point()`).
```

Risk of bias domains

	D1	D2	D3	D4	D5	Overall
	+	+	+	+	+	+
		+	+	+	+	
		+		+	+	
	+	+	X	+		X
	X	X	+	+		X
	+	X		+	+	X
	+			X	+	X
	+		+	+	+	
	+	+	X	+	+	X

Study

Domains:
D1: Bias due to randomisation.
D2: Bias due to deviations from intended intervention.
D3: Bias due to missing data.
D4: Bias due to outcome measurement.
D5: Bias due to selection of reported result.

Judgement

X High

+ Low