

Wrangle

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

```
exl_filtered <- exl |>
  filter(Type_of_ES %in% c("Pearson's r", "Corrected Pearson's r", "Weighted Pearson's r",
exl_filtered
```

```
# A tibble: 539 x 9
```

	Reference	`# of effect sizes`	tau	`tau^2`	Q	Type_of_ES
	<chr>	<dbl>	<dbl>	<dbl>	<dbl>	<chr>
1	Balliet & van Lange 2013	142	0.346	0.12	NA	Pearson's r
2	<NA>	60	0.173	0.03	NA	Pearson's r
3	Freund & Kasten 2012	154	0.122	0.015	NA	Pearson's r
4	Richardson et al. 2012	21	0	0	221.	Corrected ~
5	<NA>	21	0.01	0.0001	122.	Corrected ~
6	<NA>	17	0.01	0.0001	353.	Corrected ~
7	<NA>	46	0.03	0.0009	1368.	Corrected ~
8	<NA>	29	0.01	0.0001	259.	Corrected ~
9	<NA>	21	0.01	0.0001	314.	Corrected ~
10	<NA>	4	0.01	0.0001	12.1	Corrected ~

```
# i 529 more rows
```

```
# i 3 more variables: `Type of ES recoded` <dbl>, `Publication bias?` <chr>,
```

```
# `Publication bias recoded` <dbl>
```

```
knitr::kable(favstats(exl_filtered$tau))
```

	min	Q1	median	Q3	max	mean	sd	n	missing
	0	0.05	0.12	0.18	0.52	0.1267	0.0969	497	42

```
library(extraDistr)
```

Attaching package: 'extraDistr'

The following object is masked from 'package:purrr':

rdunif

```
curve(dht(x, 3, 0.5), 0, 3, col = "blue", ylab = "Density", xlab = "Heterogeneity (\\u03C4)
```

Warning in title(...): conversion failure on 'Heterogeneity ()' in
'mbcsToSbcs': dot substituted for <cf>

Warning in title(...): conversion failure on 'Heterogeneity ()' in
'mbcsToSbcs': dot substituted for <84>

```
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-
```

