Making Better Forest Plots in Meta-Analysis

Based Upon Student Contributions

Andy Grogan-Kaylor

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1 Get Data

```
use Ganzfeld.dta
```

2 Set Up The Data

```
generate proportion = hits / trials // generate proportion

generate differencefromrandom = proportion - 0.2 // generate proportion different from rando

generate standarderror = sqrt(p*(1-p)/trials) // generate standard error of proportion

drop if proportion == 0
```

3 Set Up The Meta-Analysis With `differencefromrandom`

```
meta set differencefromrandom standarderror // set up meta-analysis
```

```
Running C:\Users\agrogan\Desktop\GitHub\multilevel\meta-analysis-forest-plot\pr
```

```
> ofile.do ...
```

```
Meta-analysis setting information

 Study information
    No. of studies: 30
       Study label: Generic
        Study size: N/A

       Effect size
              Type: <generic>
             Label: Effect size
          Variable: differencefromrandom

         Precision
         Std. err.: standarderror
                CI: [_meta_cil, _meta_ciu]
          CI level: 95%

  Model and method
             Model: Random effects
            Method: REML
```

4 Run The Meta Analysis With `differencefromrandom`

```
meta forestplot, random(reml)  nullrefline // forestplot
```

```
graph export forestplot.png, replace
```

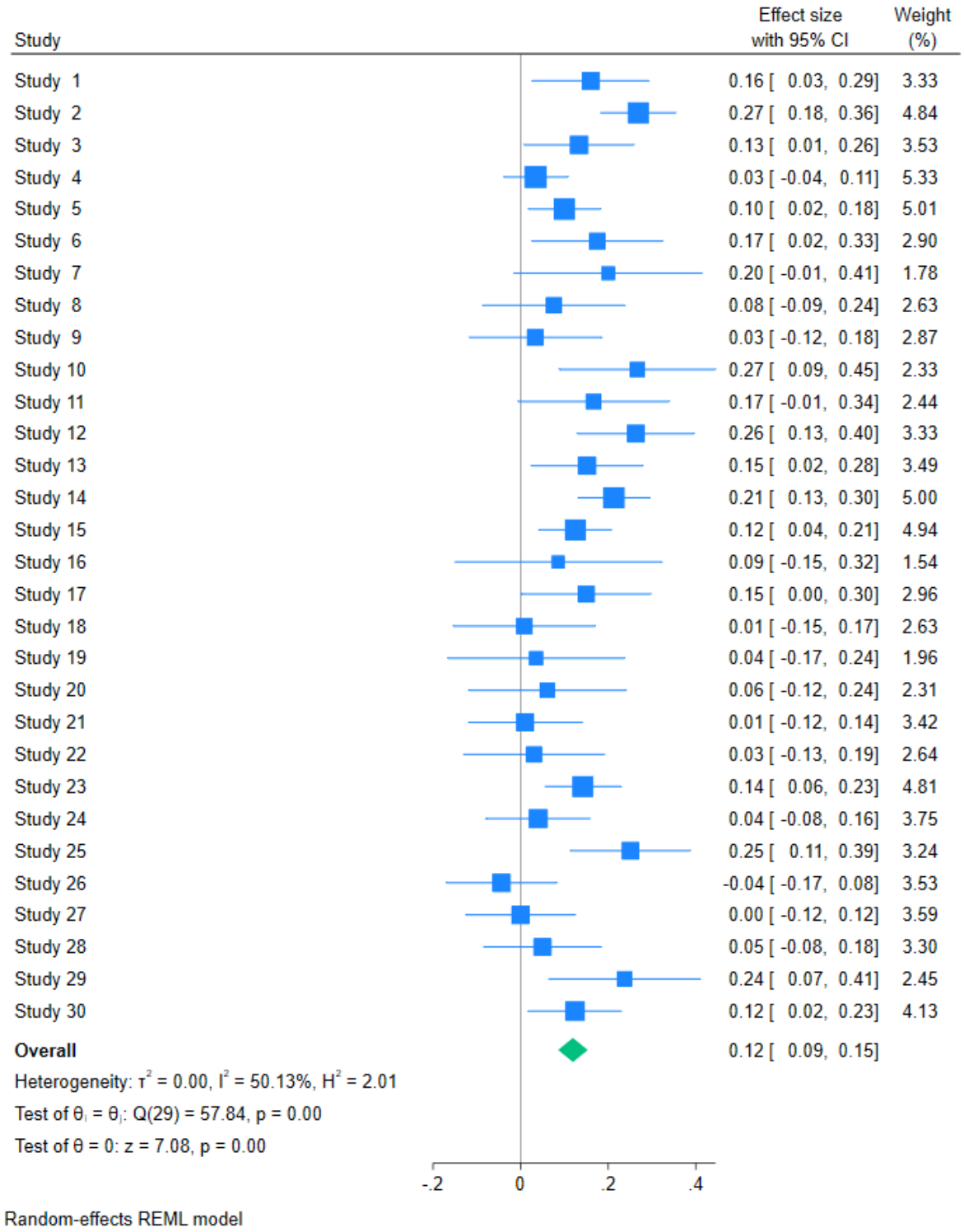

Figure 1: forest plot

5 Run The Meta Analysis With `differencefromrandom` And Better Options for Labels

```
meta forestplot, random(reml) ///
nullrefline(favorsleft("Favors No ESP") favorsright("Favors ESP")) // reference line at null

graph export forestplot2.png, replace
```

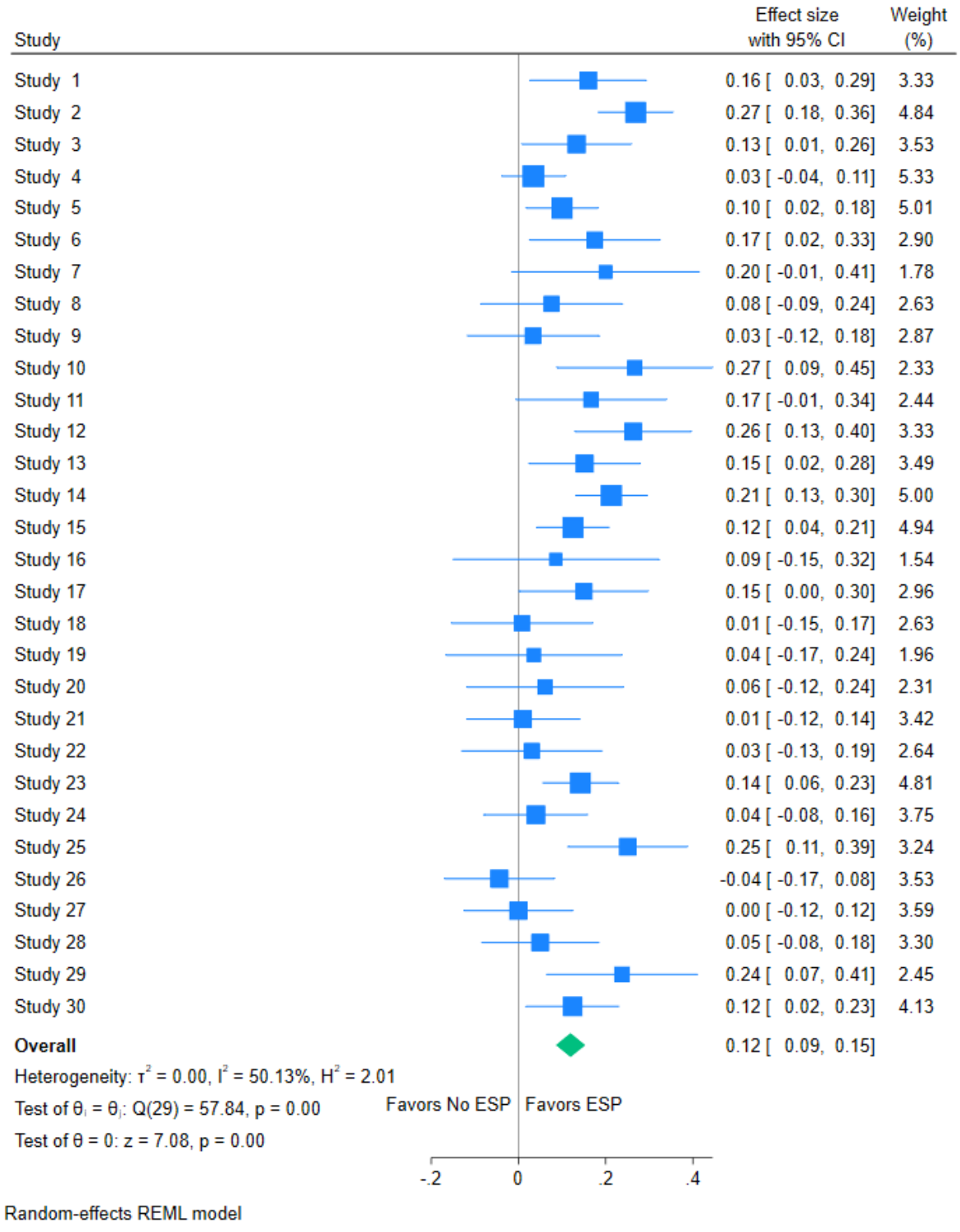

Figure 2: forest plot with better labels