



Statistical Analysis Code [metaanalysis_cont]

1 Software

R, RStudio

2 Code

```
# パッケージの読み込み
library(dmetar)
library(meta)
library(metafor)

# dmetar からデータセットをロード
data(SuicidePrevention)

# metcont を使って結果をプール
m.cont <- metacont(n.e = n.e,
                  mean.e = mean.e,
                  sd.e = sd.e,
                  n.c = n.c,
                  mean.c = mean.c,
                  sd.c = sd.c,
                  studlab = author,
                  data = SuicidePrevention,
                  sm = "SMD",
                  method.smd = "Hedges",
                  fixed = FALSE,
                  random = TRUE,
                  method.tau = "REML",
                  hakn = TRUE,
                  title = "Suicide Prevention")

# 結果の確認
summary(m.cont)
```

```
# フォレストプロットの作成
m1 <- forest(
  m.cont,
  common = FALSE,
  random = TRUE,
  overall = TRUE,
  text.random = "Total (95%CI)",
  smlab = "Std. Mean Difference
IV, Random, 95%CI",
  weight.study = "random",
  leftcols = c("studlab","mean.e","sd.e","n.e","mean.c","sd.c","n.c","w.random","effect.ci"),
  rightcols = FALSE,
  leftlabs = c("Study","Mean","SD","Total","Mean","SD","Total","Weight","Std. Mean Difference
IV, Random, 95%CI"),
  label.e = "test food",
  label.c = "placebo",
  label.e.attach = "n.e",
  label.c.attach = "n.c",
  label.right = "Favours control",
  label.left = "Favours experimental",
  print.tau2 = TRUE,
  print.Q = TRUE,
  print.pval.Q = TRUE,
  print.I2 = TRUE,
  test.overall = FALSE,
  test.overall.common = FALSE,
  test.overall.random = FALSE,
  fs.heading = 11,
  fs.common = 11,
  fs.random = 11,
  fs.predict = 11,
  fs.common.labels = 11,
  fs.random.labels = 11,
  fs.predict.labels = 11,
  fs.study = 11,
  fs.study.labels = 11,
  fs.hetstat = 11,
```

```

fs.test.overall = 11,

fs.test.subgroup = 11,

fs.test.effect.subgroup = 11,

fs.addline = 11,

fs.axis = 11,

fs.smlab = 11,

fs.xlab = 11,

fs.lr = 11,

ff.heading = "bold",

ff.random = "bold",

ff.random.labels = "bold",

ff.study = "plain",

ff.study.labels = "plain",

ff.hetstat = "bold",

ff.test.overall = "bold",

col.diamond = "black",

col.square = "#1c98ac",

col.square.lines = "#1c98ac",

col.label.right = "red",

col.label.left = "#1c98ac",

Just = "left",

just.studlab = "left",

just.addcols = "left",

just.addcols.left = "left",

just.addcols.right = "left")
    
```

3 Output example

