

吴赞, 彭云峰, 杨贵彪, 李秦鲁, 刘洋, 马黎华, 杨元合, 蒋先军 (2022). 青藏高原高寒草地退化对土壤及微生物化学计量特征的影响. 植物生态学报, 46, 461-472. DOI: 10.17521/cjpe.2021.0339

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<https://www.plant-ecology.com/CN/10.17521/cjpe.2021.0339>

附录III 本研究meta分析代码

Supplement III Code for meta-analysis in this study

#载入所需的包

```
library(boot)
```

```
library(metafor)
```

#设定 boot 函数

```
boot.func1<-function(data,indices){
```

```
  res<-rma.mv(yi,vi,data=data,subset=indices,
```

```
  random=~1|Publication/Observation,
```

```
  tdist=TRUE)
```

```
  c(res$beta,res$se^2)
```

```
}
```

#函数中, yi 为响应比, vi 为抽样方差

#将 Publication 与 Observation 的嵌套作为随机因子

```
data<-read.csv("RR.csv", header = T)#载入已计算好的响应比和权重数据
```

```
CI<-boot(data=data,boot.func1,R=4999)#重复抽样 4999 次以计算 CI
```

```
boot.ci(CI)#查看 95%CI, 选用 percentile CI, 即百分位置信区间
```