

Additional file 9. Meta-regressions

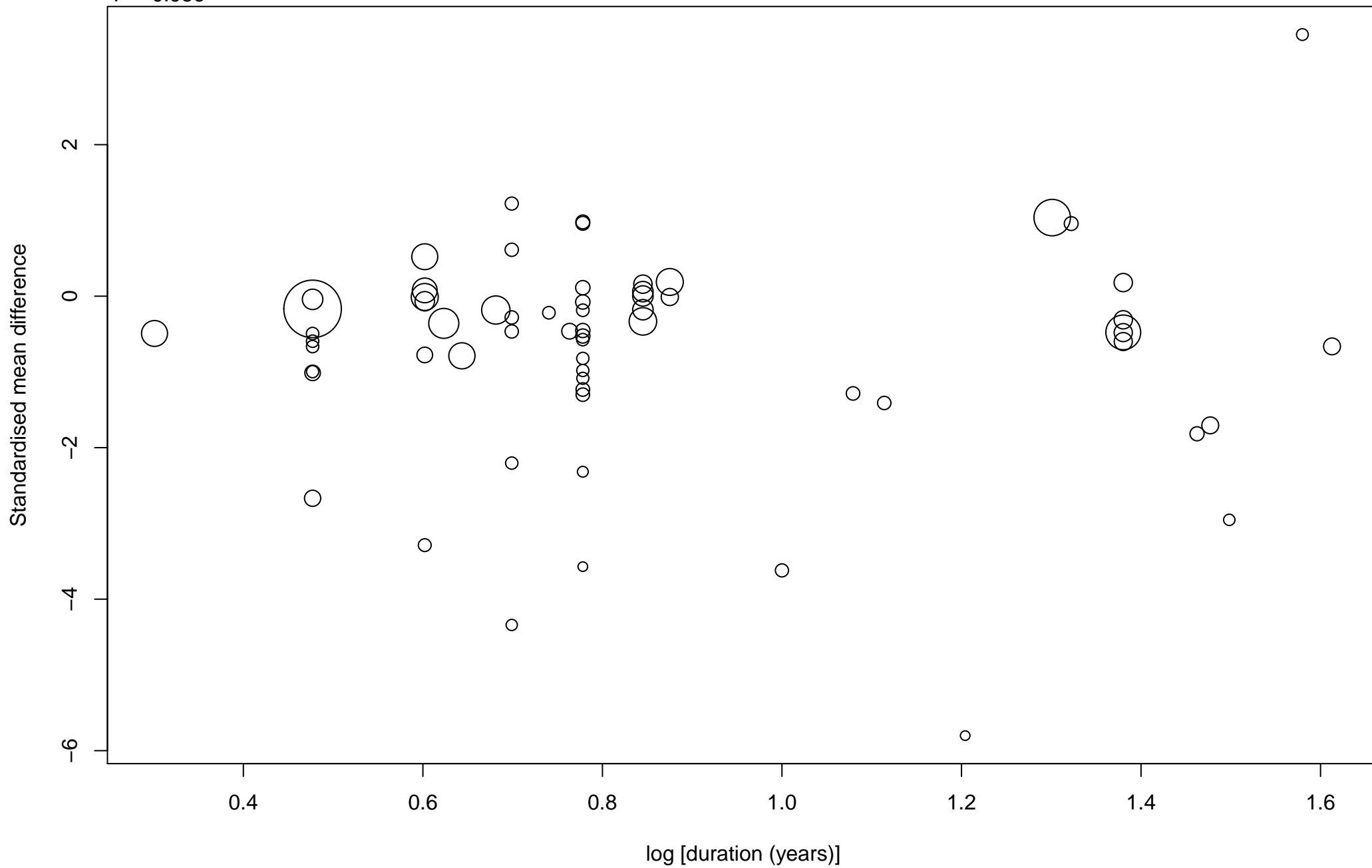
- 2-7 Abundance of vegetation vs. duration of herbivory manipulation
- 8-13 Species richness of vegetation vs. duration of herbivory manipulation
- 14-19 Abundance of vegetation vs. herbivore density
- 20-25 Species richness of vegetation vs. herbivore density
- 26-31 Abundance of vegetation vs. herbivore biomass
- 32-37 Species richness of vegetation vs. herbivore biomass
- 38-43 Abundance of vegetation vs. herbivore years
- 44-49 Species richness of vegetation vs. herbivore years
- 50-55 Abundance of vegetation vs. herbivore biomass years
- 56-61 Species richness of vegetation vs. herbivore biomass years
- 62-67 Abundance of vegetation vs. mean annual temperature
- 68-73 Species richness of vegetation vs. mean annual temperature
- 74-79 Abundance of vegetation vs. mean annual precipitation
- 80-85 Species richness of vegetation vs. mean annual precipitation
- 86-91 Abundance of vegetation vs. latitude
- 92-97 Species richness of vegetation vs. latitude

Sizes of symbols are proportional to the inverse variance of the standardised mean difference.

Where a significant relationship was found ($p < 0.05$), a regression line is shown (with 95% confidence limits).

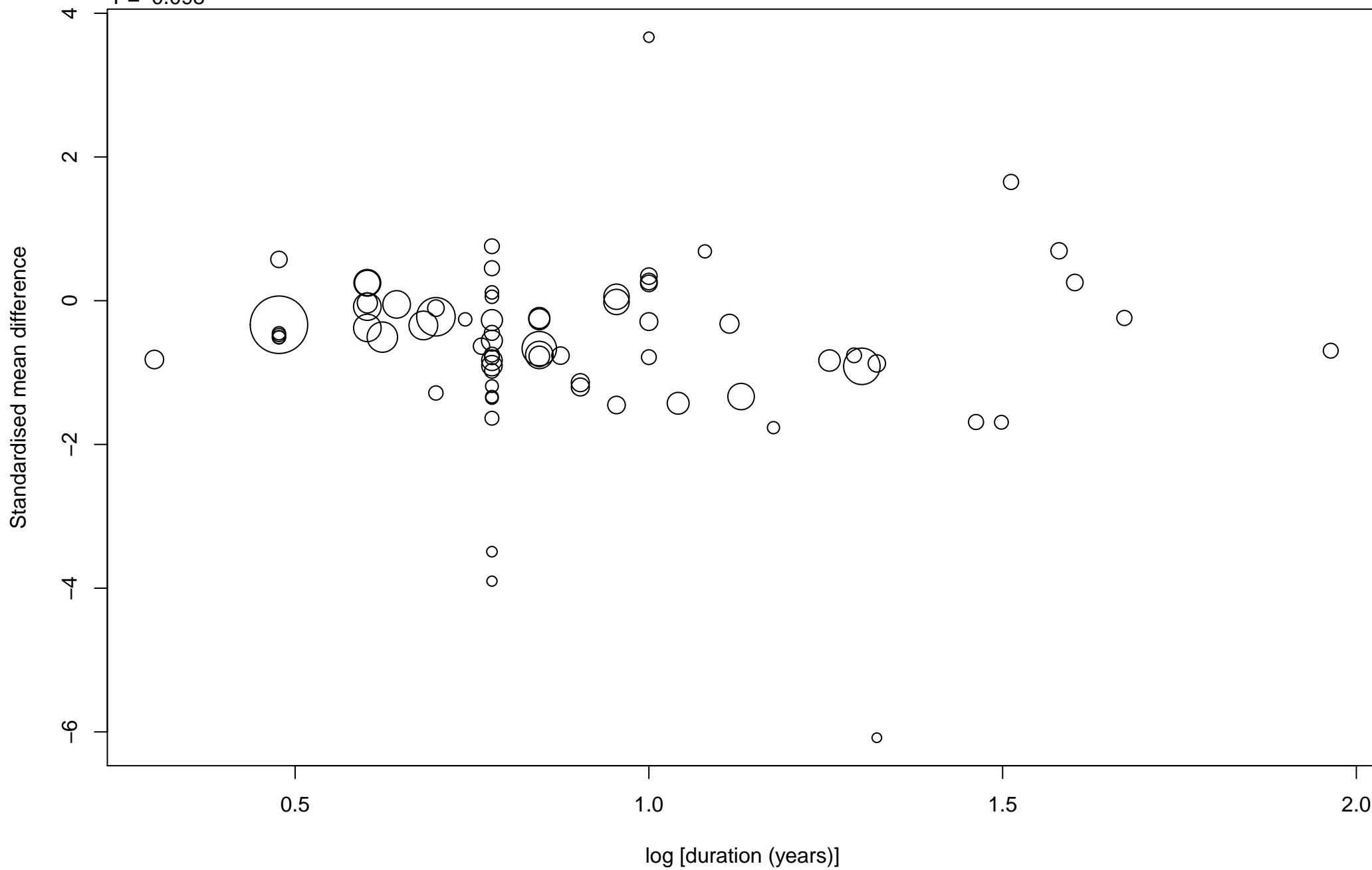
est= 0.022
se= 0.3936
P= 0.956

Understorey abundance vs. duration of herbivory manipulation



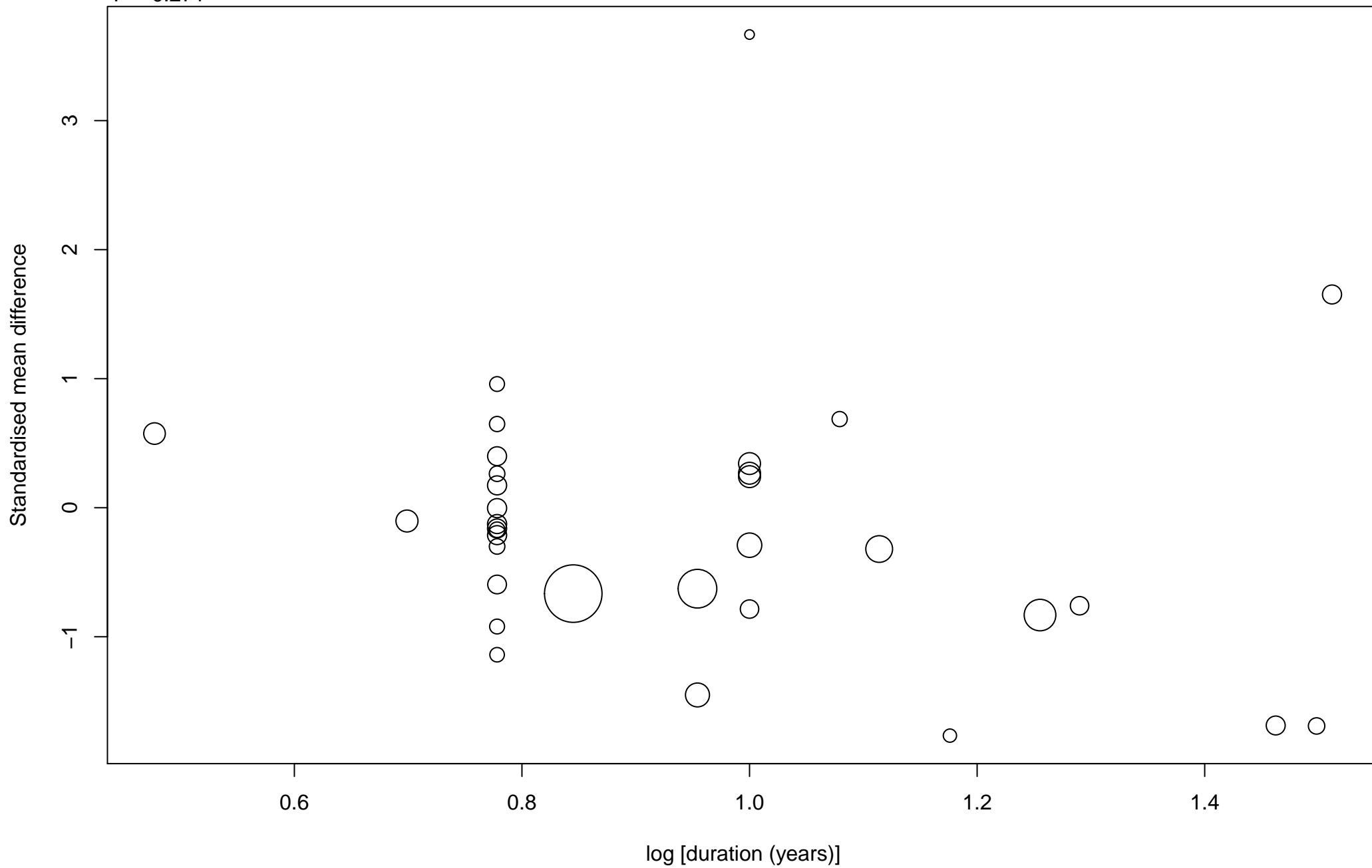
est= -0.411
se= 0.2483
P= 0.098

Woody understorey abundance vs. duration of herbivory manipulation



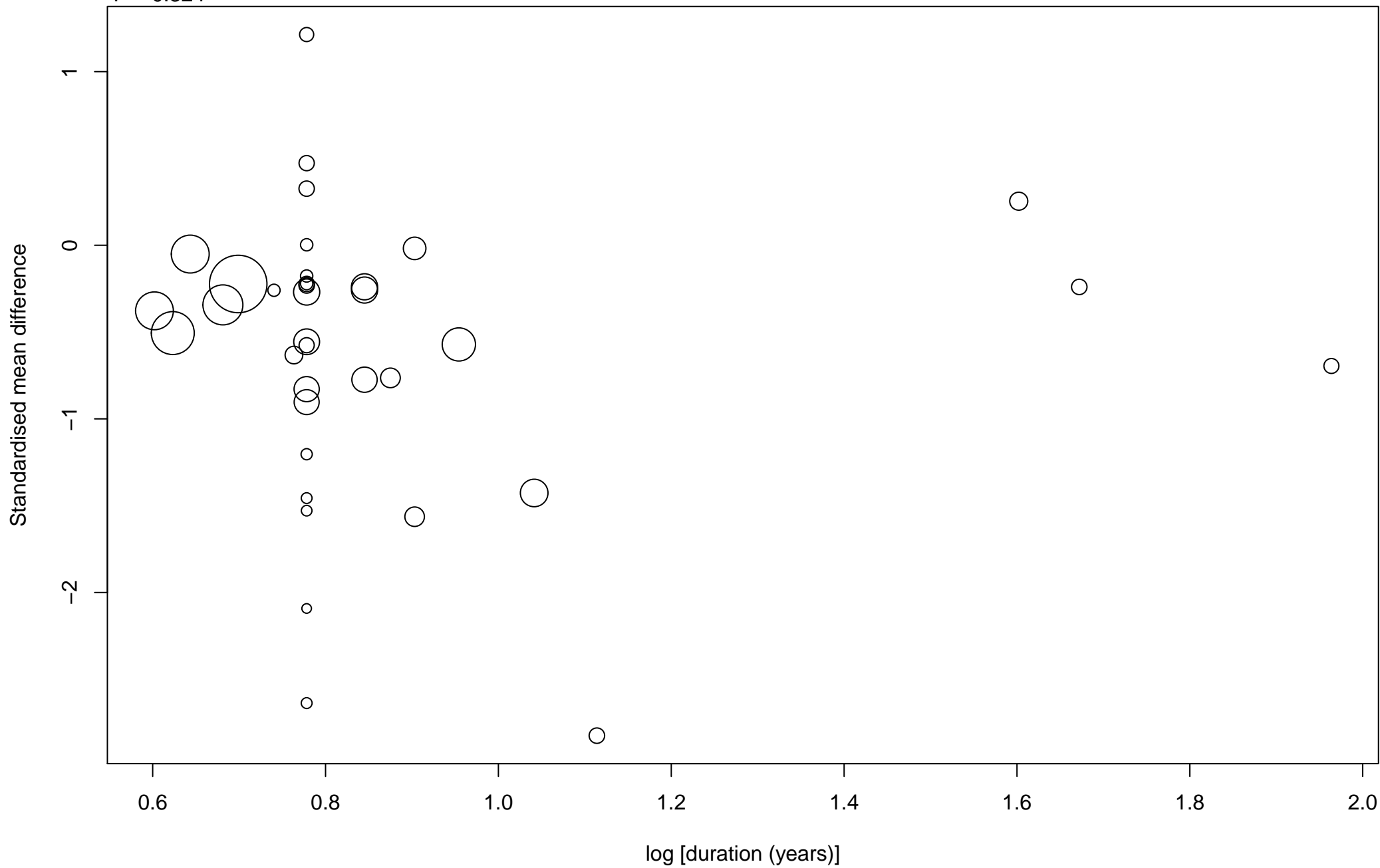
est= -0.717
se= 0.6512
P= 0.271

Tree sapling abundance vs. duration of herbivory manipulation



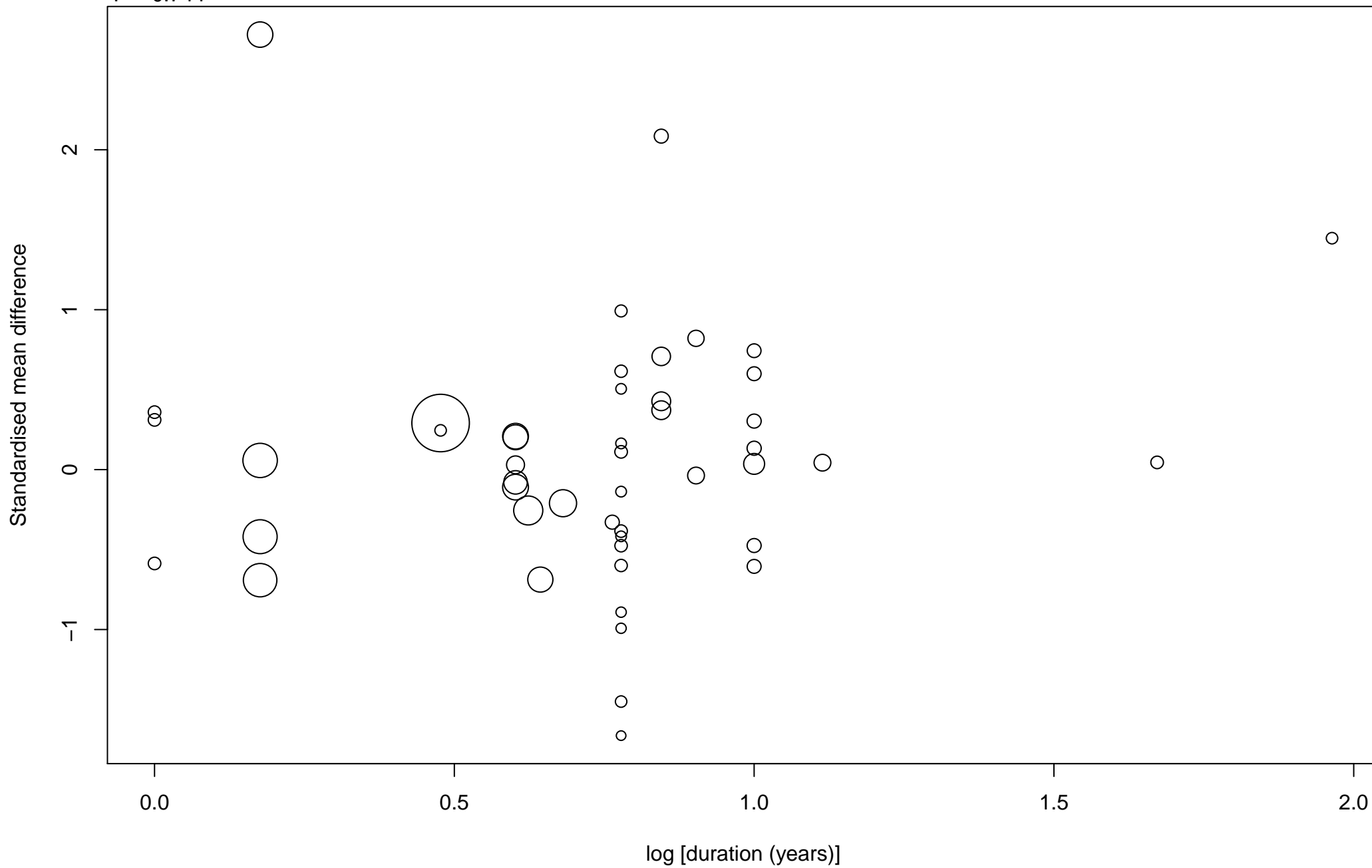
est= -0.398
se= 0.4039
P= 0.324

Shrub abundance vs. duration of herbivory manipulation



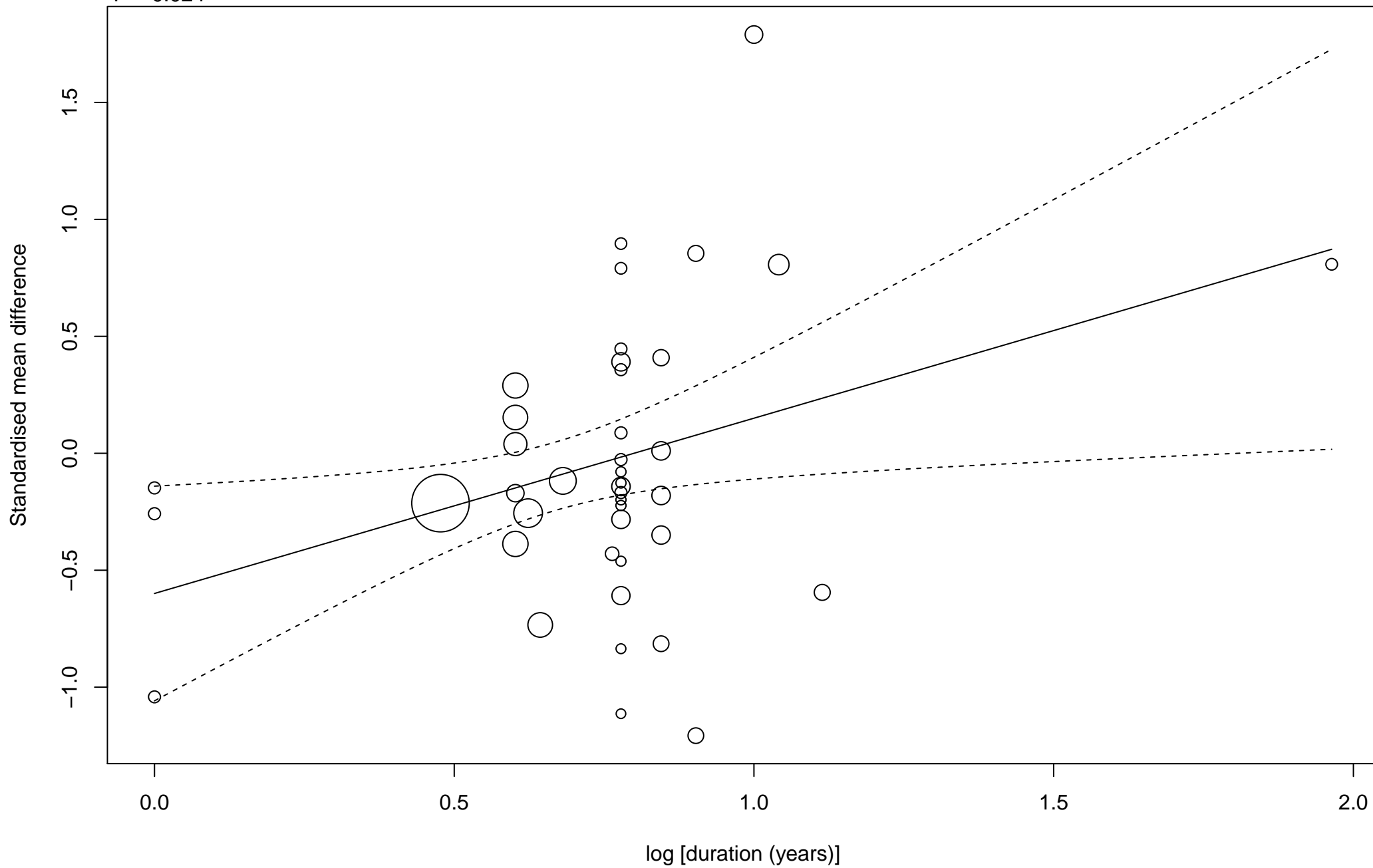
est= 0.132
se= 0.4035
P= 0.744

Graminoid abundance vs. duration of herbivory manipulation



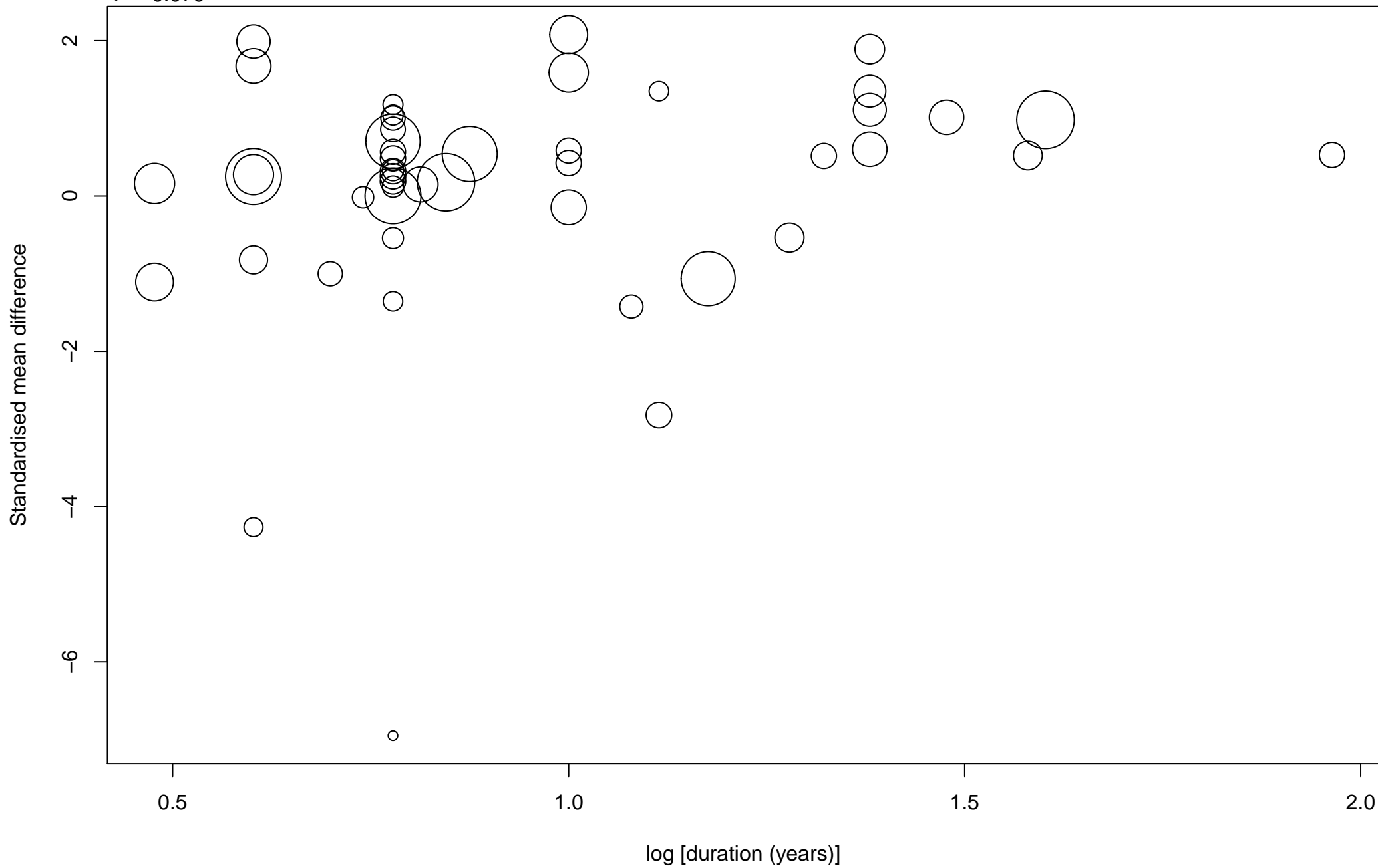
est= 0.749
se= 0.3319
P= 0.024

Forb abundance vs. duration of herbivory manipulation



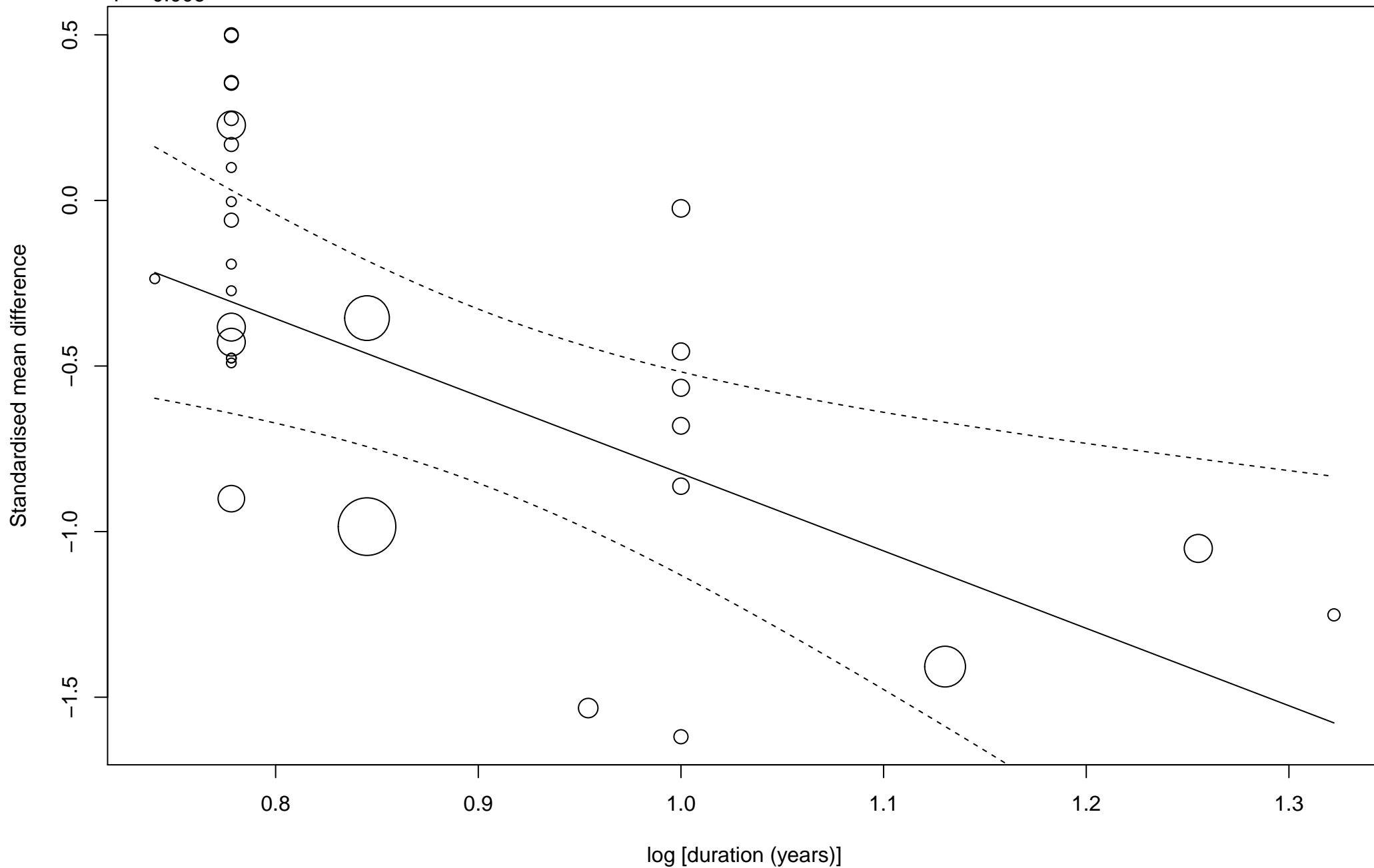
est= 0.918
se= 0.5225
P= 0.079

Understorey species richness vs. duration of herbivory manipulation



est= -2.337
se= 0.8512
P= 0.006

Woody understorey species richness vs. duration of herbivory manipulation

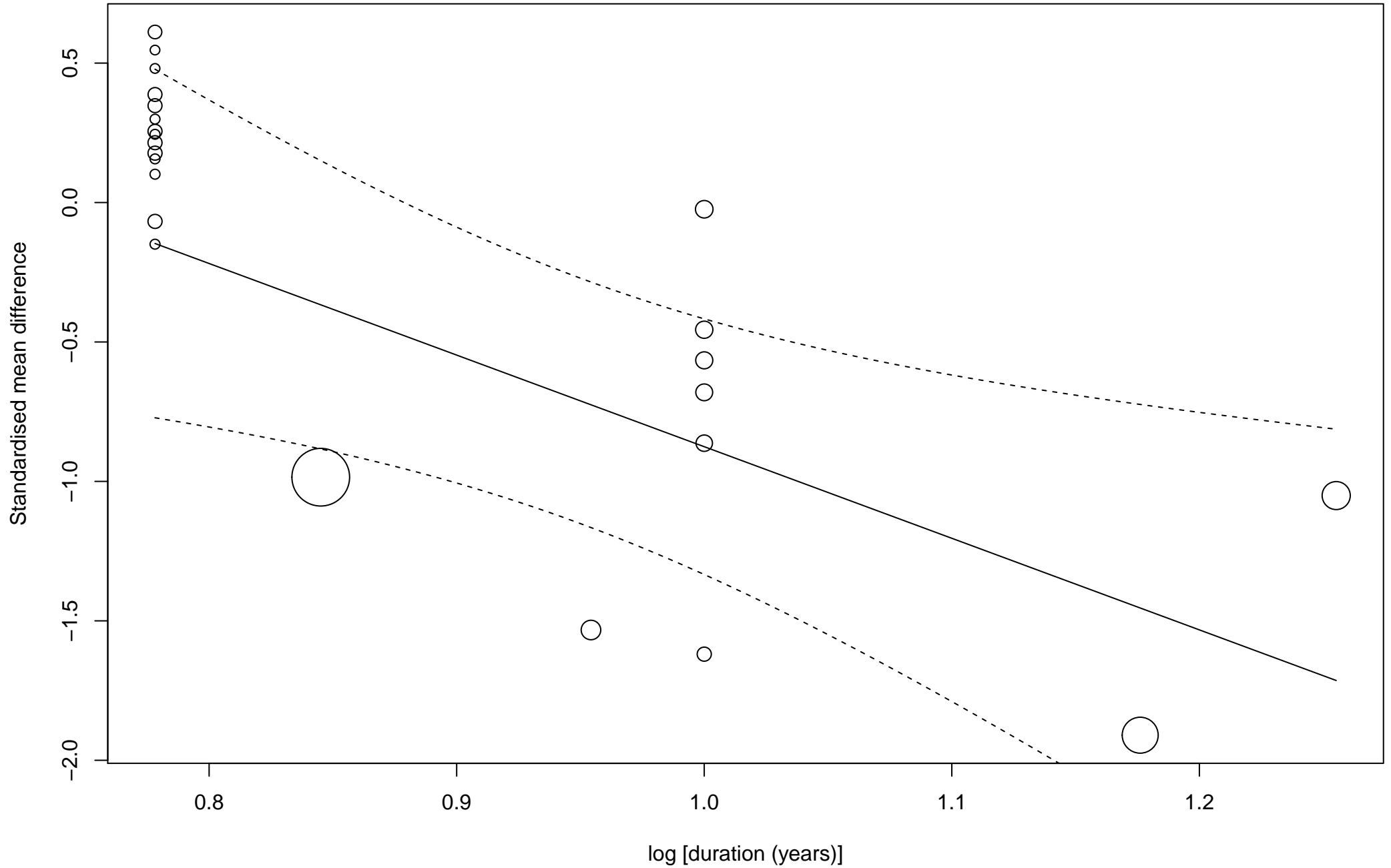


Tree sapling species richness vs. duration of herbivory manipulation

est= -3.285

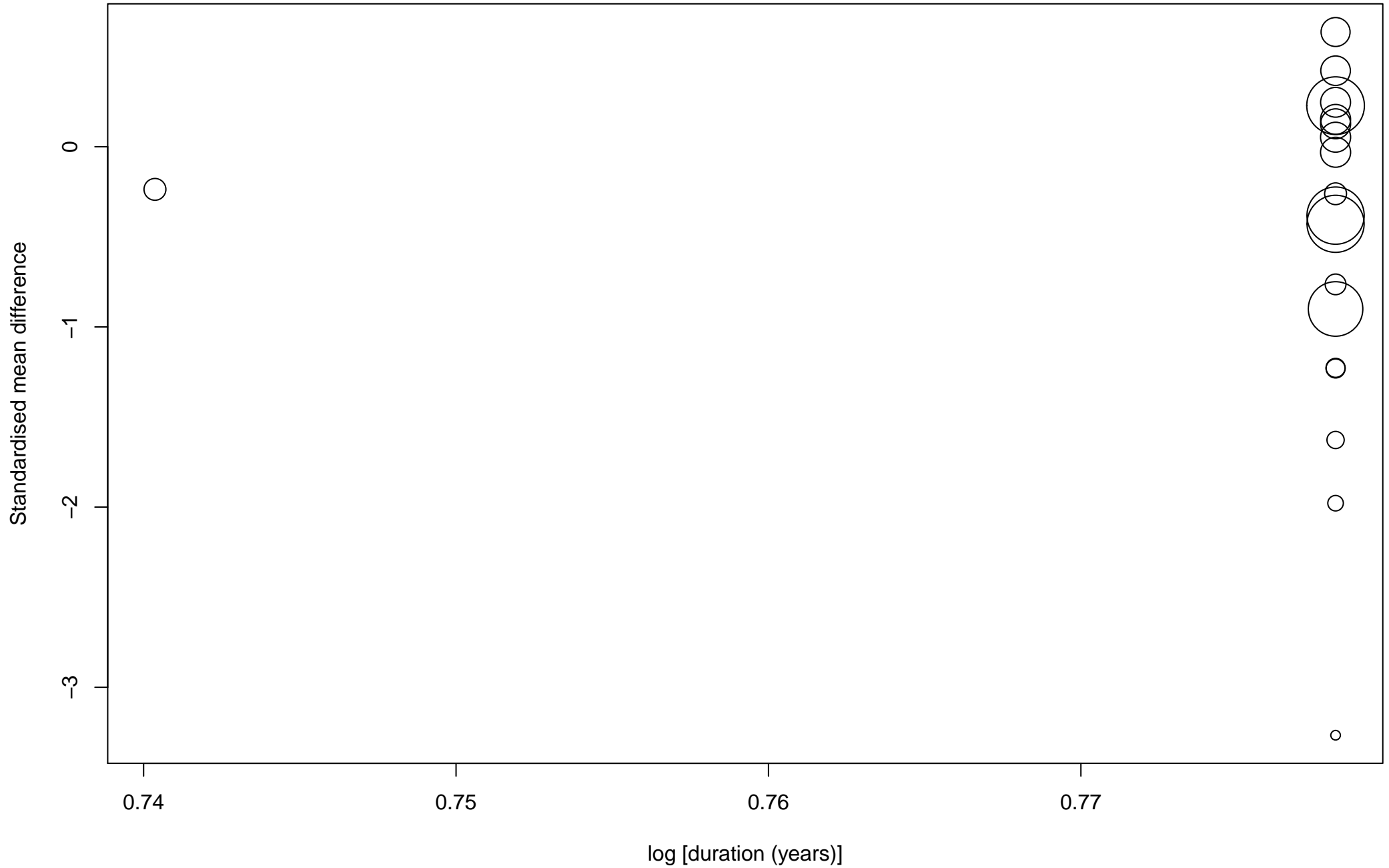
se= 1.3157

P= 0.013



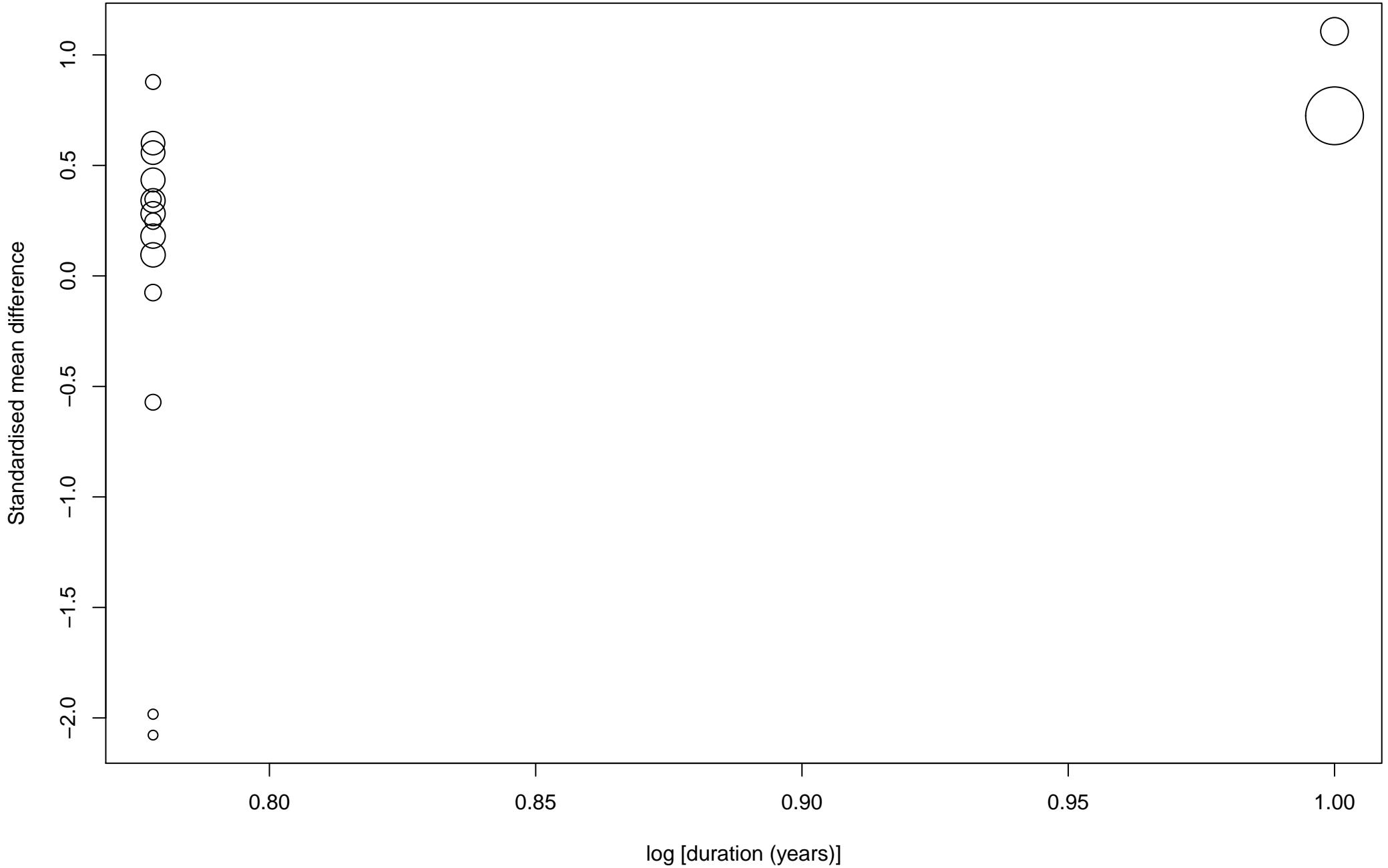
est= -5.043
se= 33.2168
P= 0.879

Shrub species richness vs. duration of herbivory manipulation



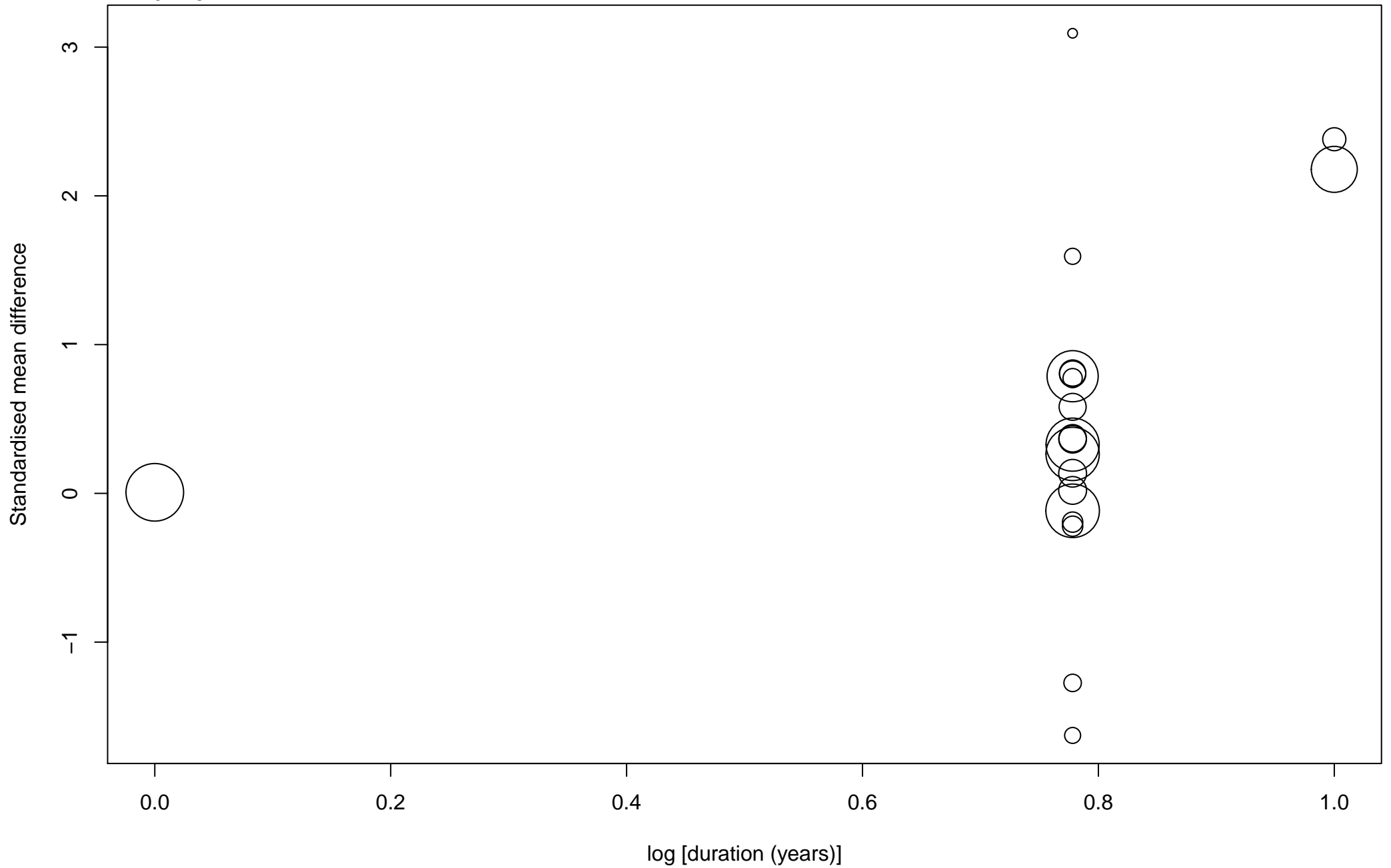
Graminoid species richness vs. duration of herbivory manipulation

est= 3.376
se= 2.2896
P= 0.14



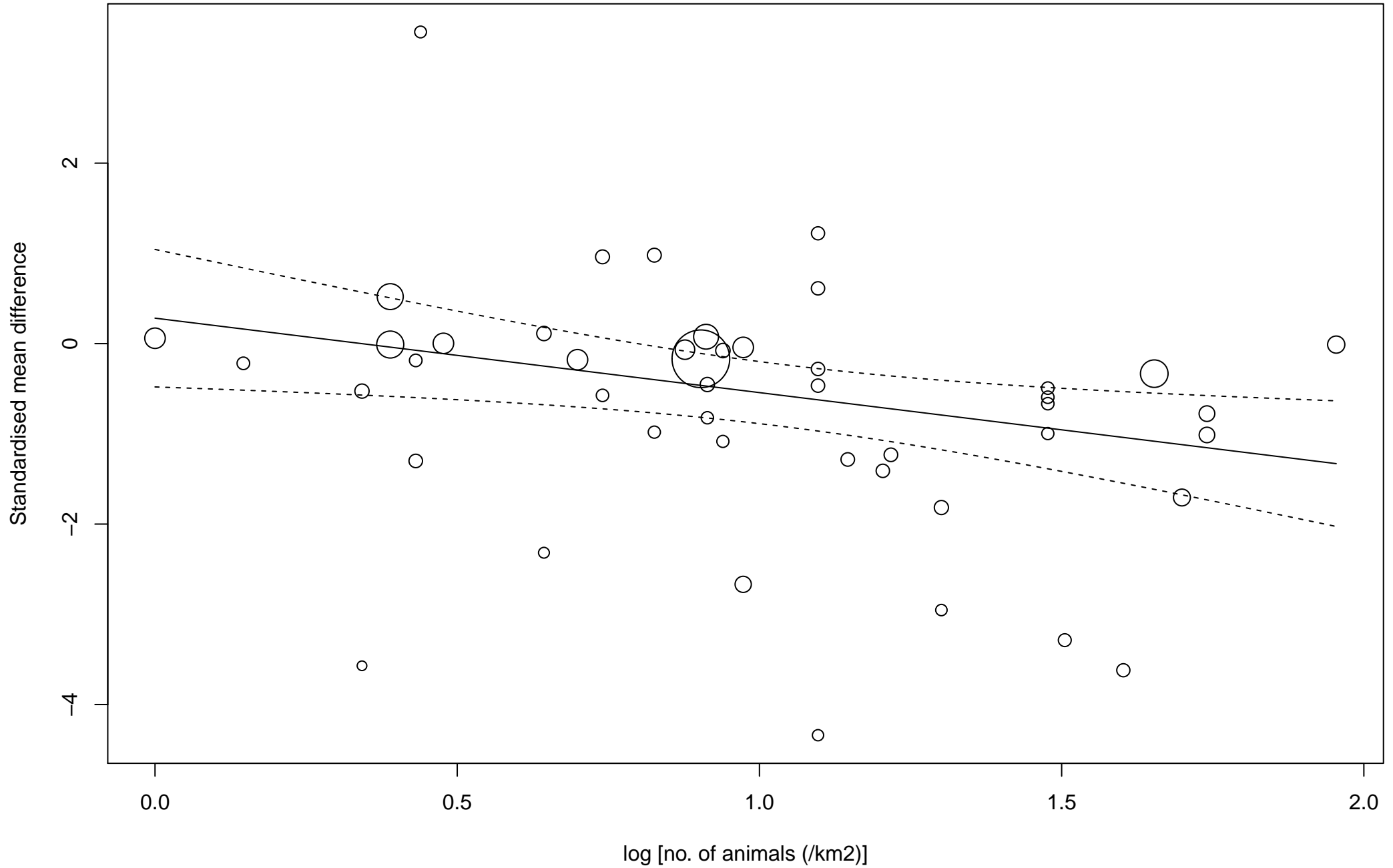
est= 1.589
se= 1.0109
P= 0.116

Forb species richness vs. duration of herbivory manipulation



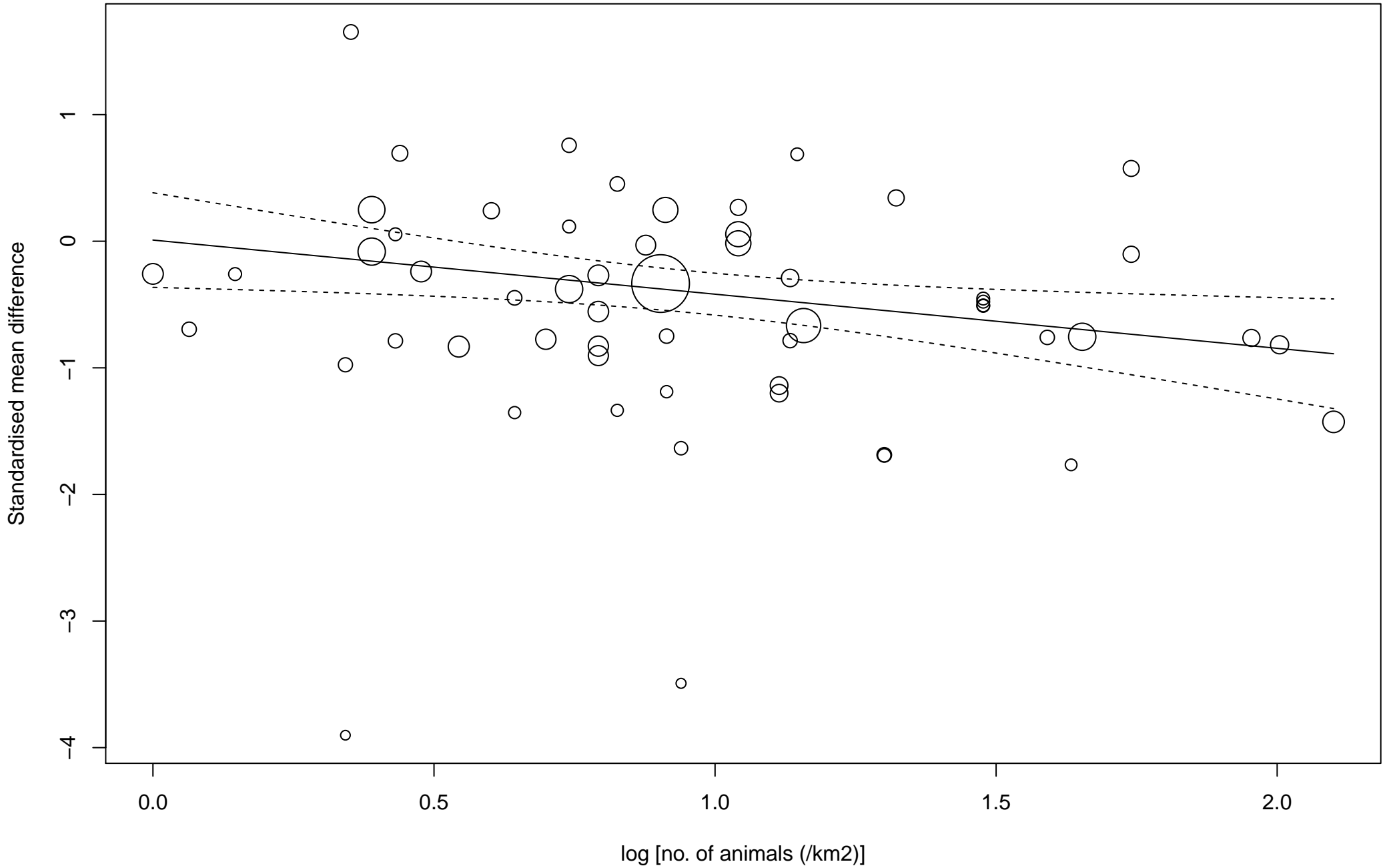
est= -0.825
se= 0.3358
P= 0.014

Understorey abundance vs. herbivore density (all ungulates)



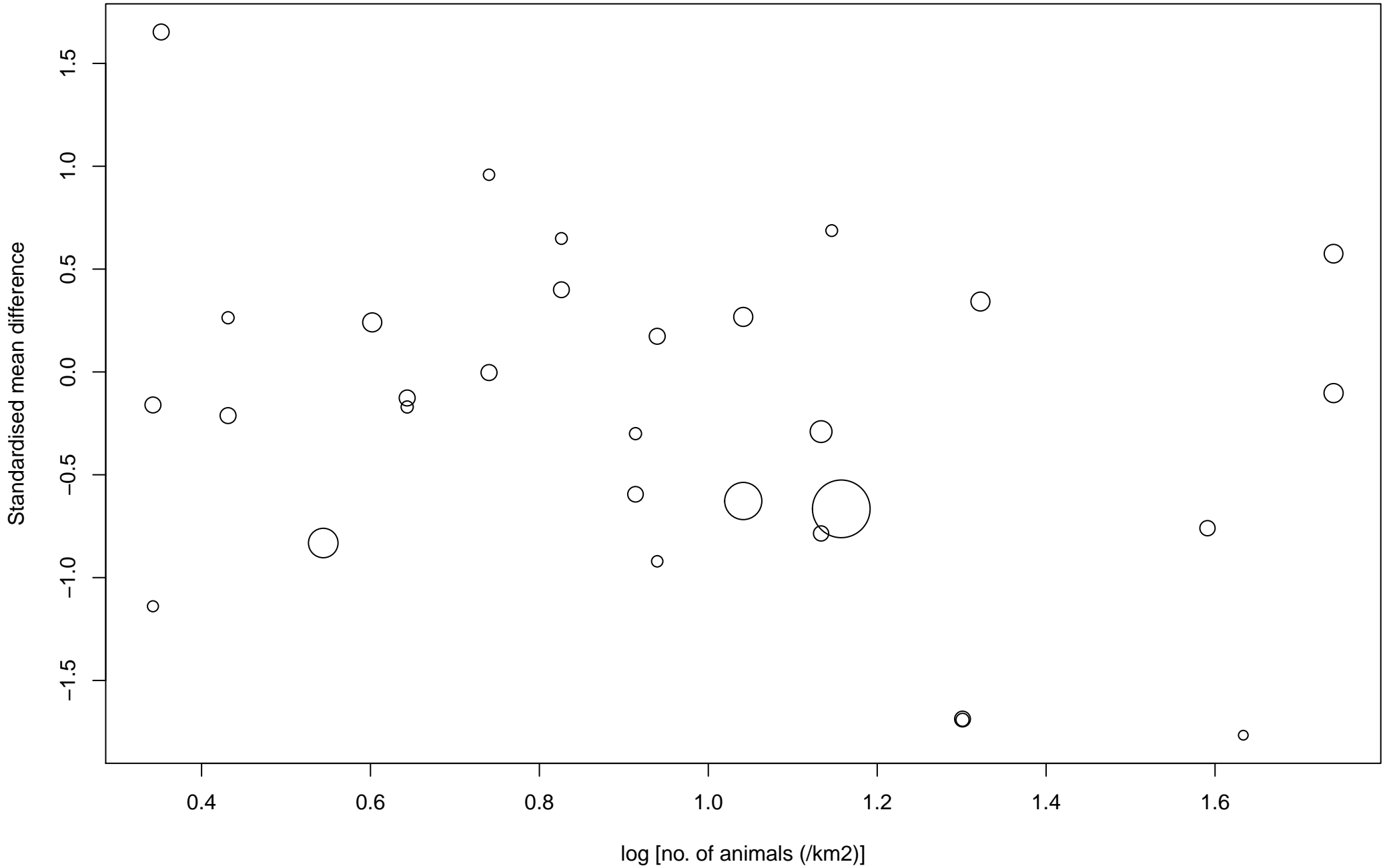
est= -0.428
se= 0.1787
P= 0.017

Woody understorey abundance vs. herbivore density (all ungulates)



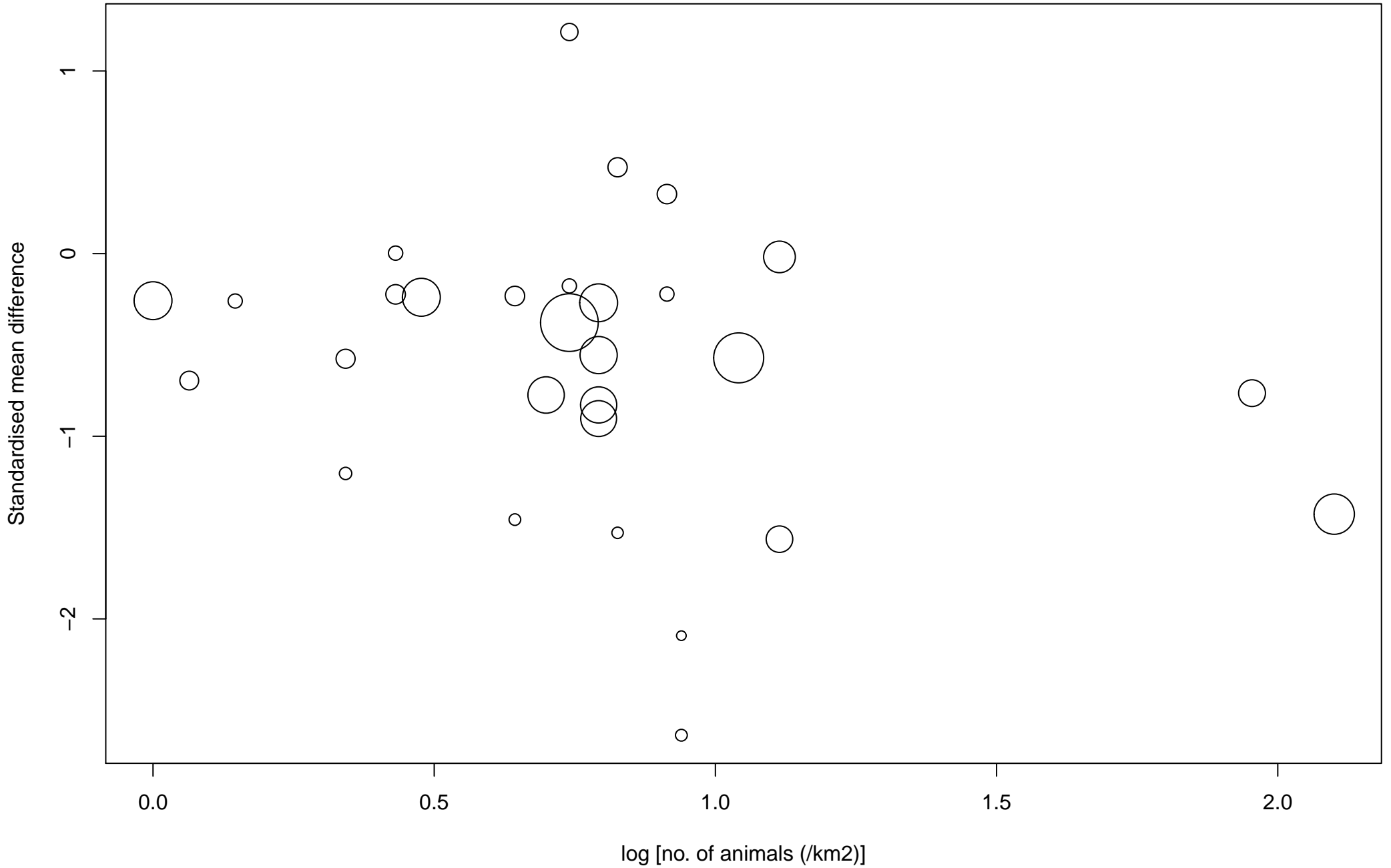
est= -0.393
se= 0.397
P= 0.322

Tree sapling abundance vs. herbivore density (all ungulates)



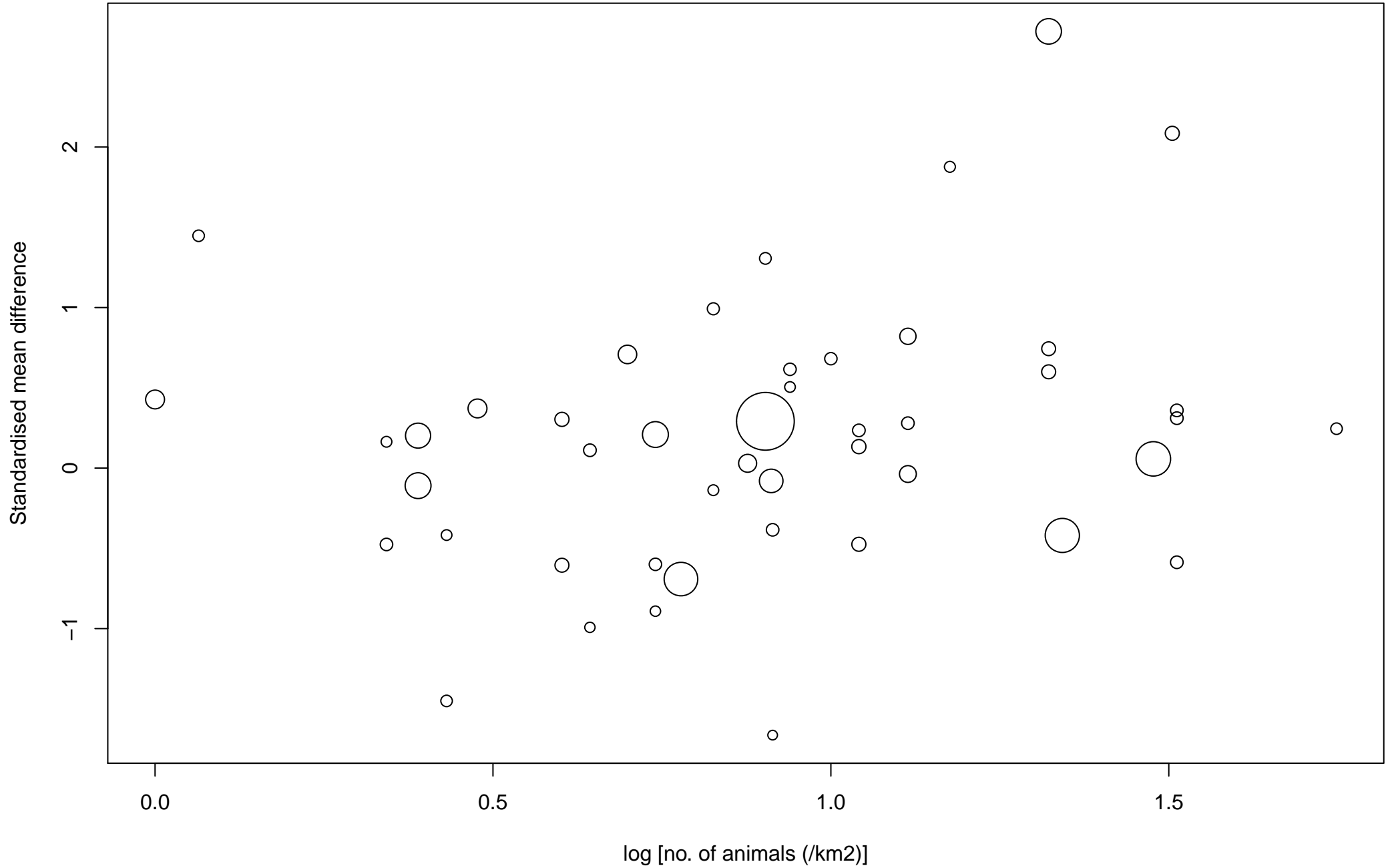
est= -0.459
se= 0.2464
P= 0.063

Shrub abundance vs. herbivore density (all ungulates)



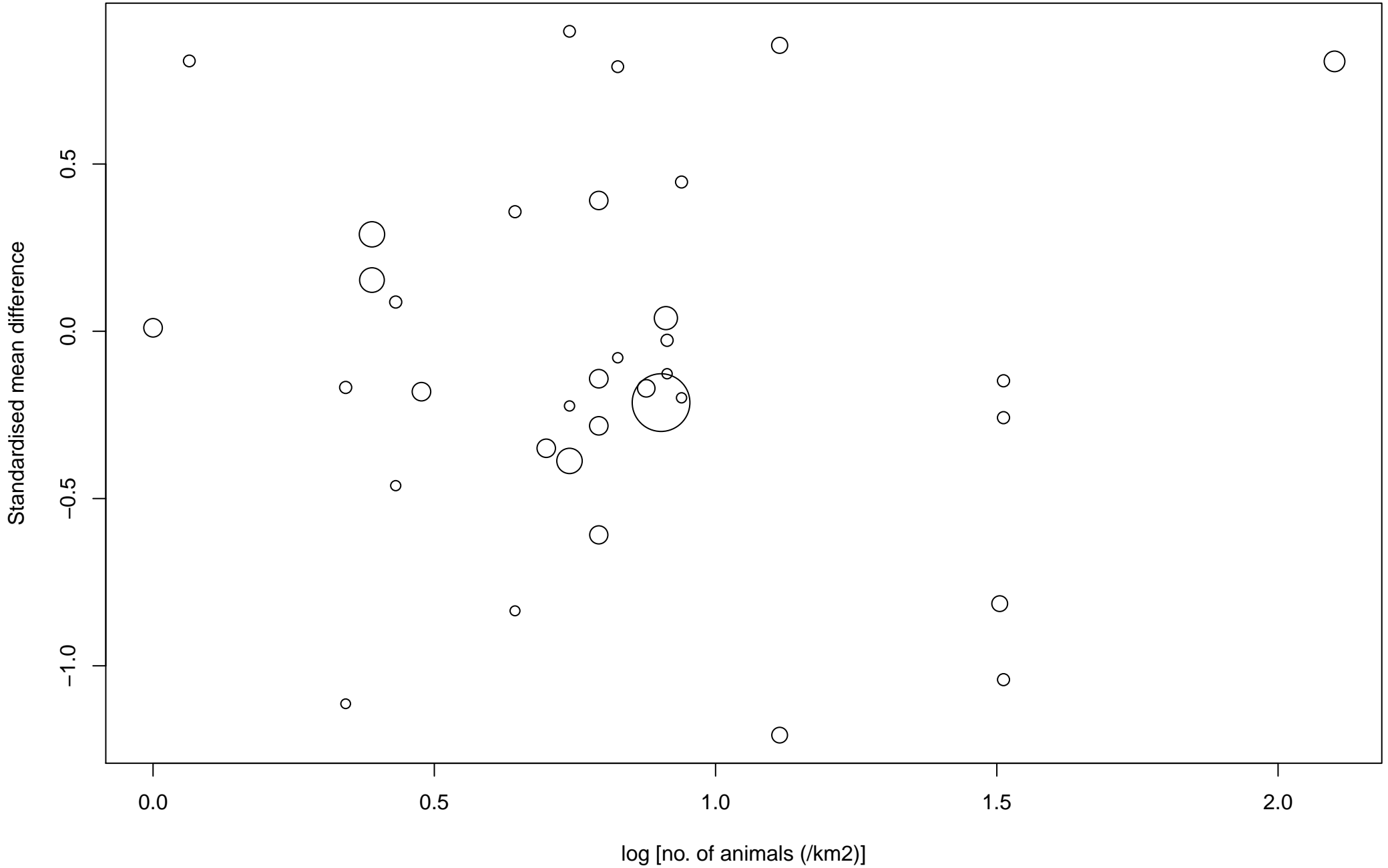
est= 0.548
se= 0.3544
P= 0.122

Graminoid abundance vs. herbivore density (all ungulates)



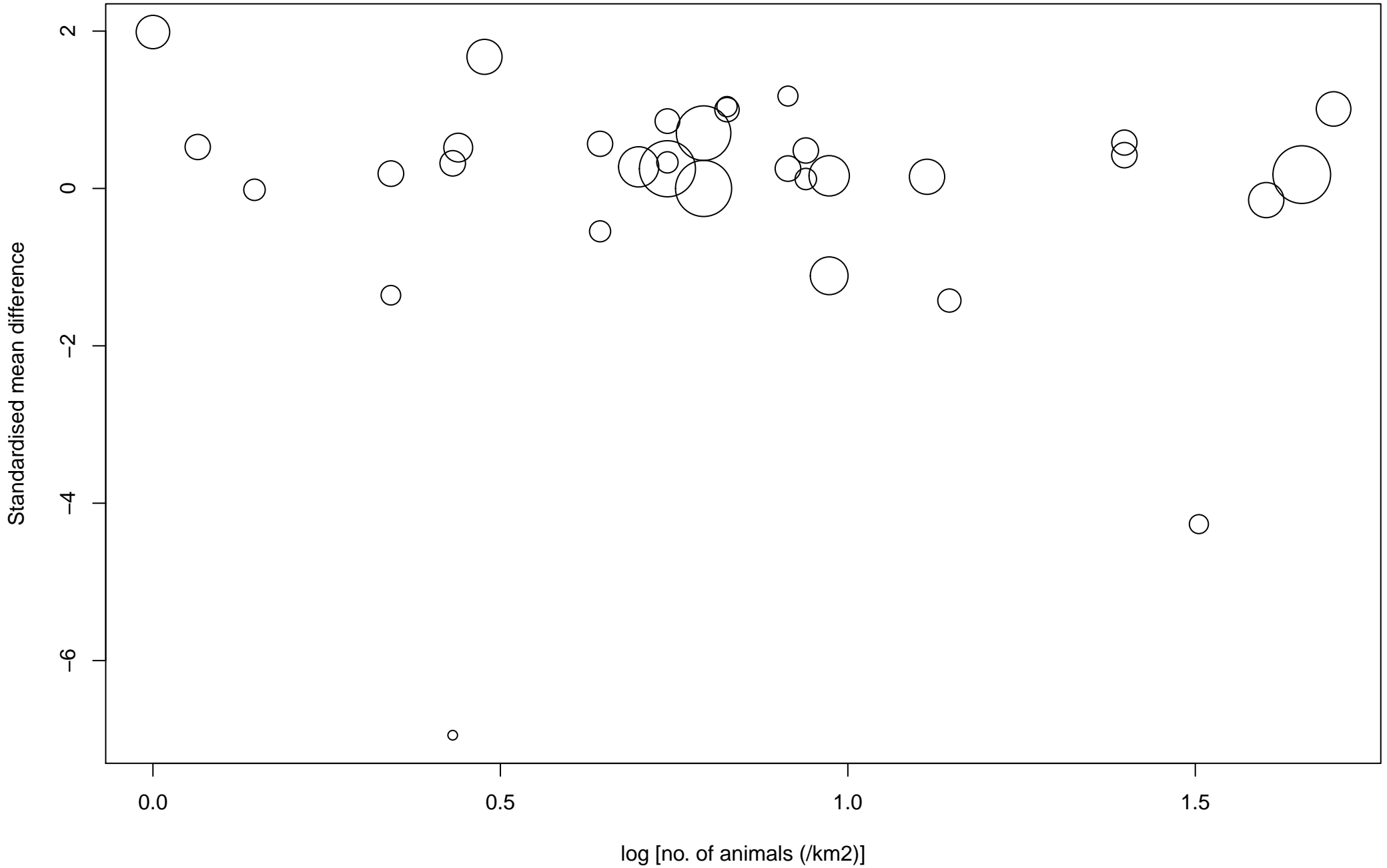
est= 0.02
se= 0.2203
P= 0.929

Forb abundance vs. herbivore density (all ungulates)



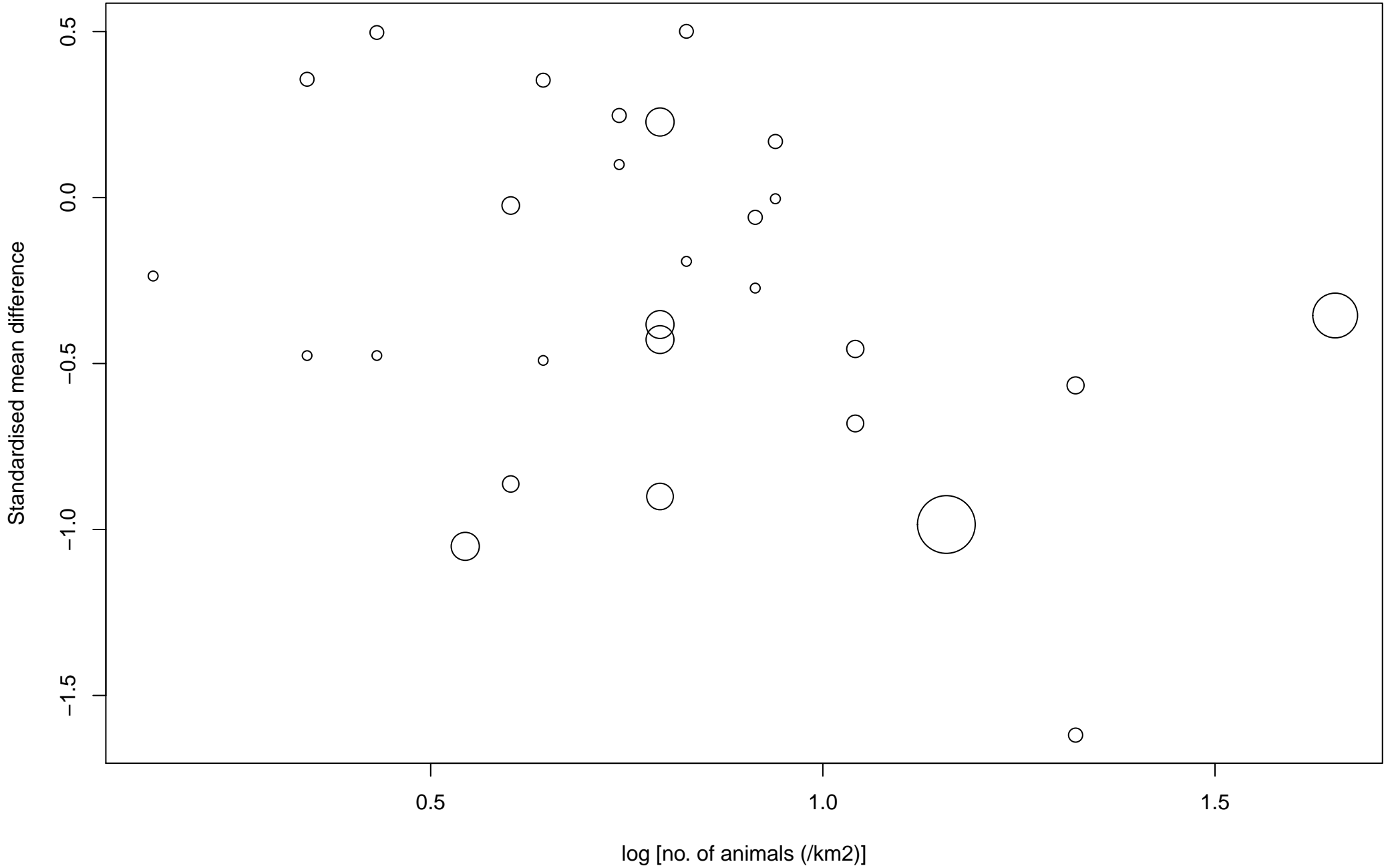
Understorey species richness vs. herbivore density (all ungulates)

est= -0.446
se= 0.3116
P= 0.152



est= -0.306
se= 0.4041
P= 0.448

Woody understorey species richness vs. herbivore density (all ungulates)

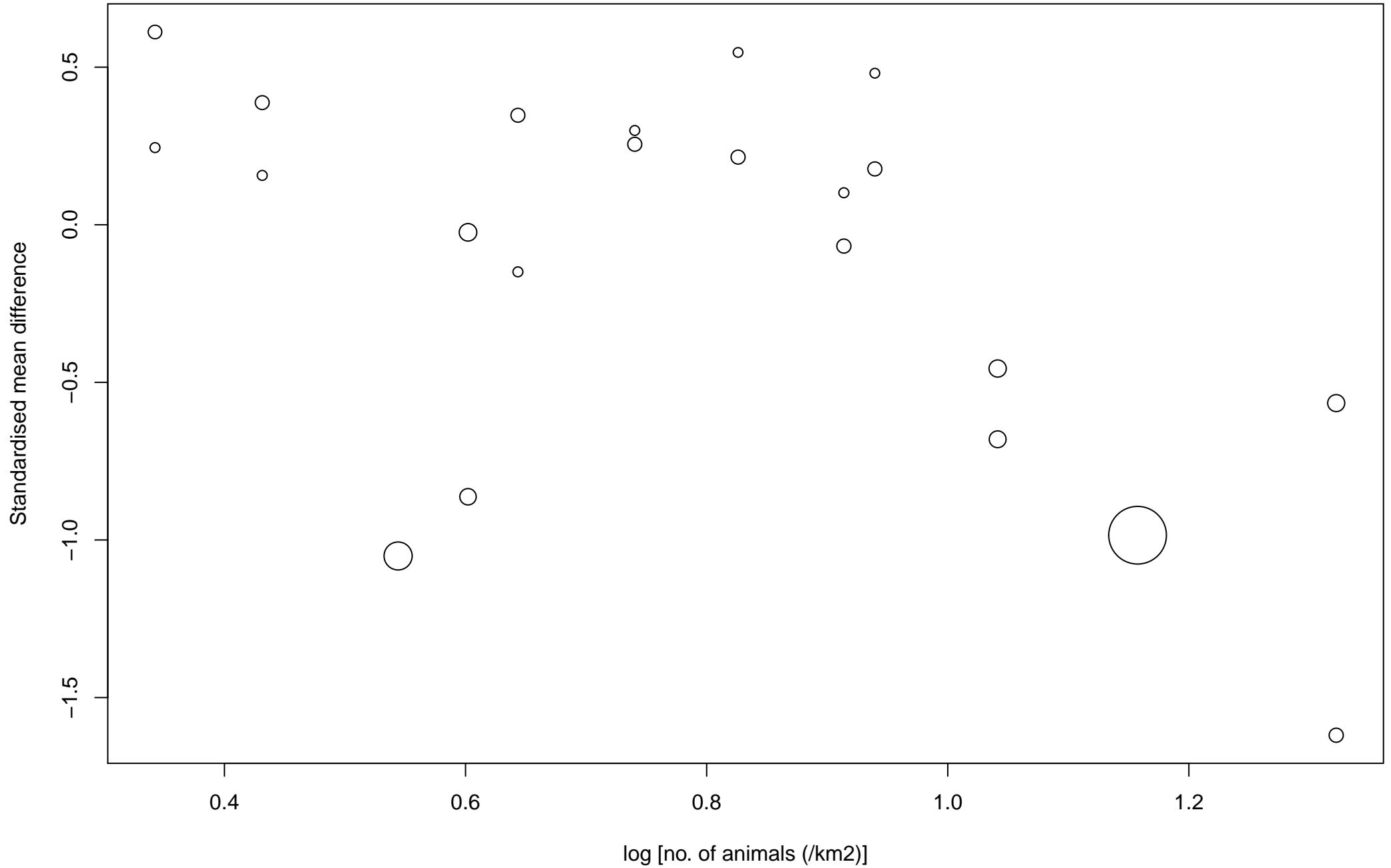


Tree sapling species richness vs. herbivore density (all ungulates)

est= -0.796

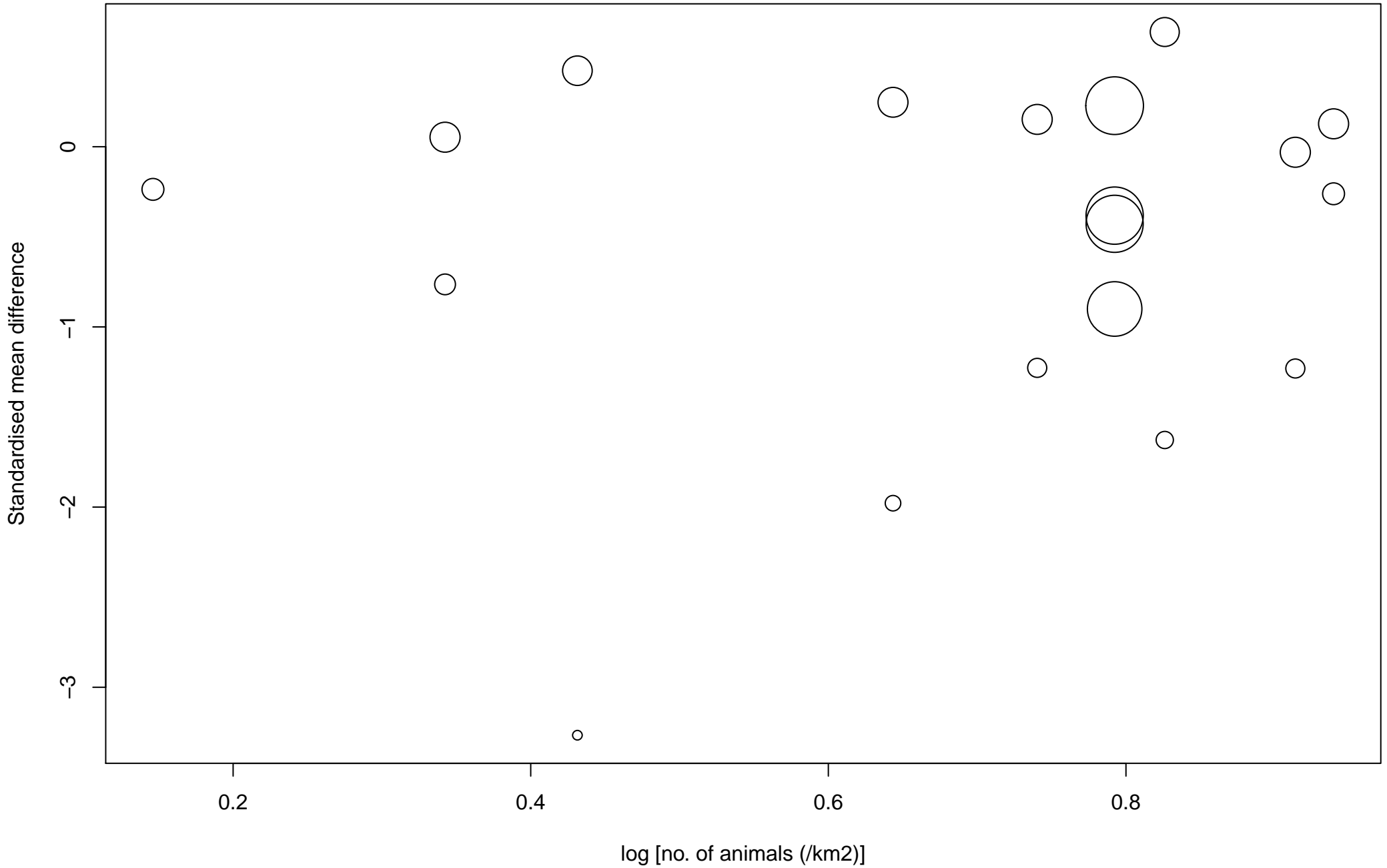
se= 0.63

P= 0.206



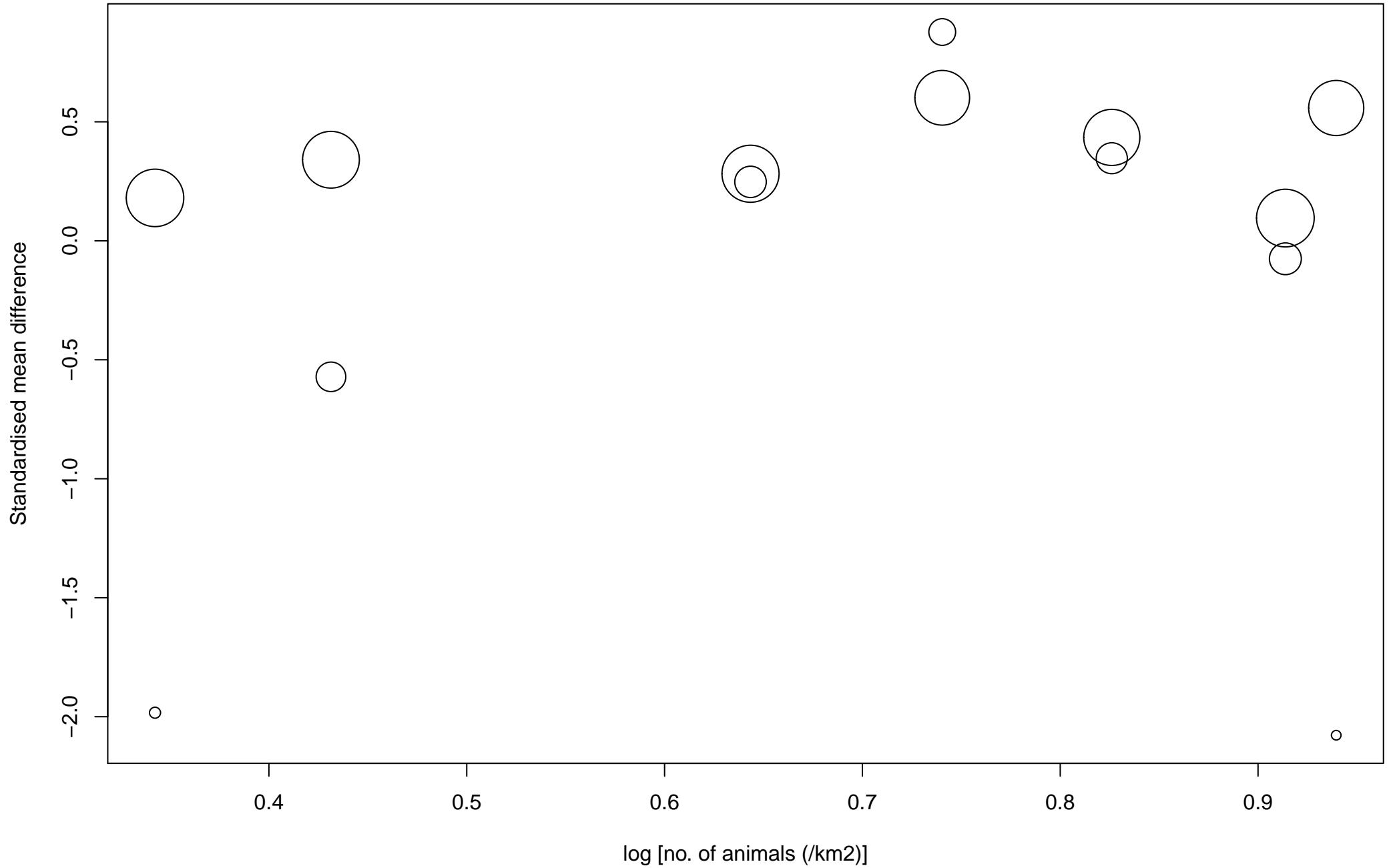
est= 0.18
se= 1.0057
P= 0.858

Shrub species richness vs. herbivore density (all ungulates)



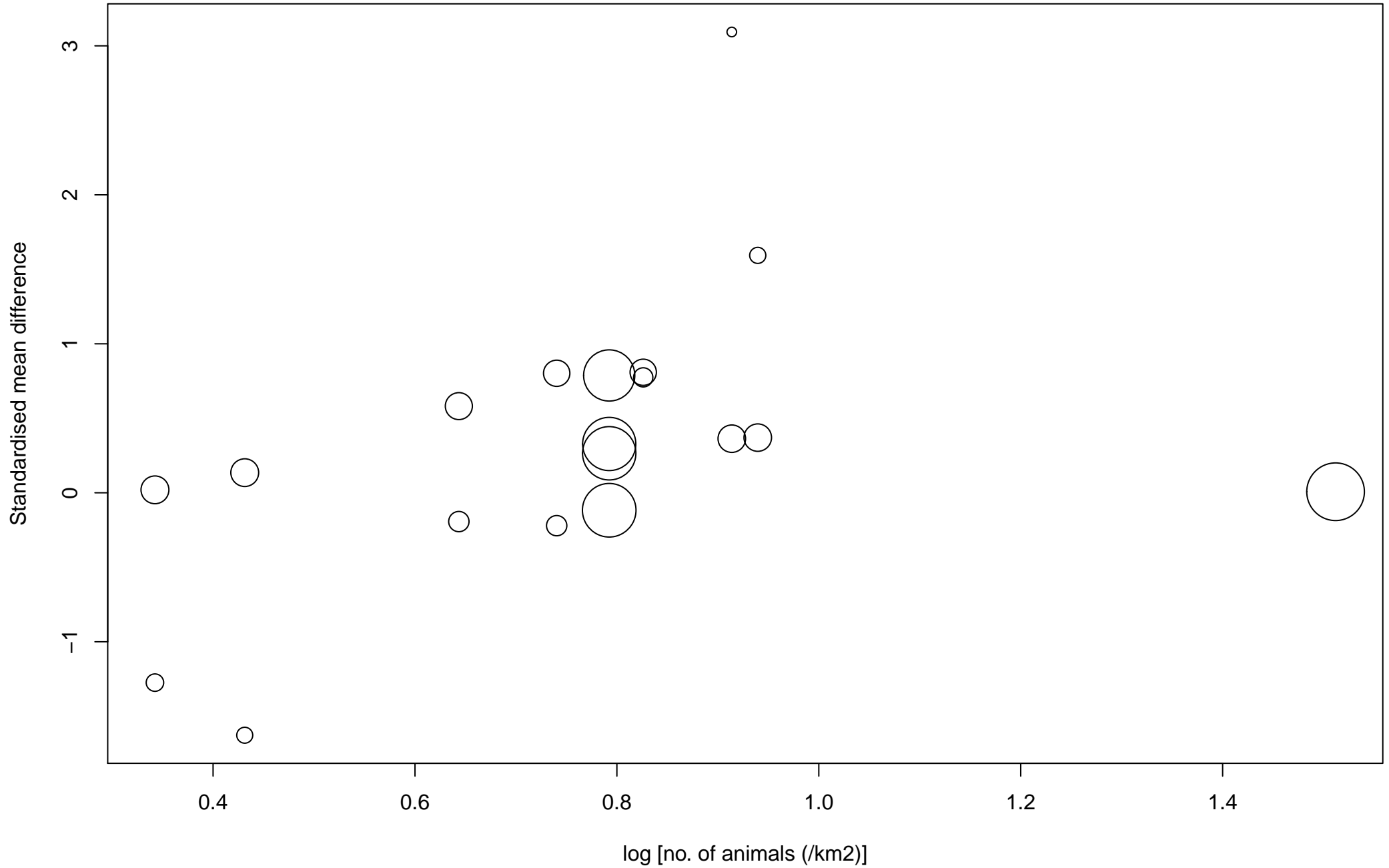
est= 0.61
se= 1.1651
P= 0.601

Graminoid richness vs. herbivore density (all ungulates)



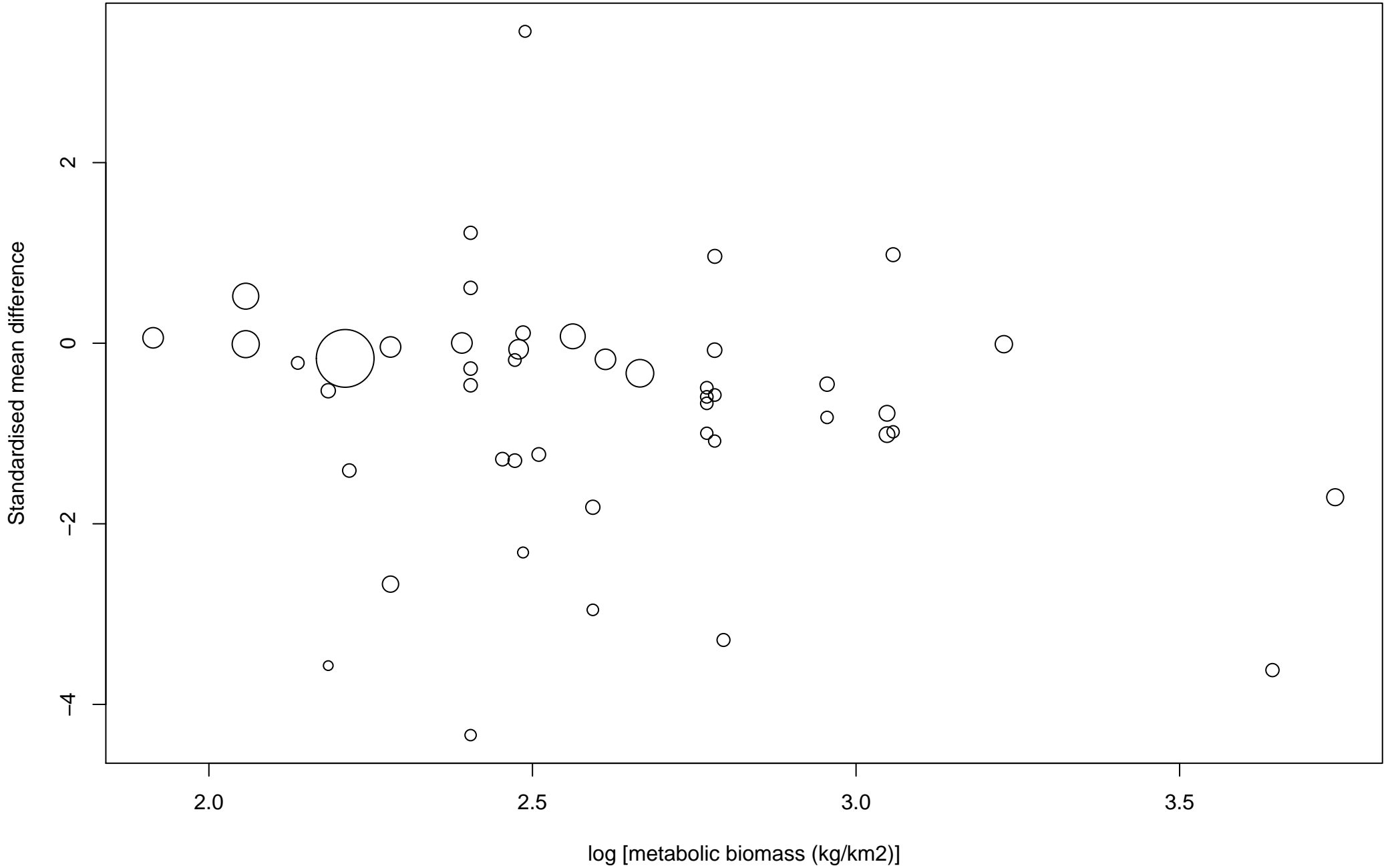
est= 0.268
se= 0.5617
P= 0.634

Forb species richness vs. herbivore density (all ungulates)



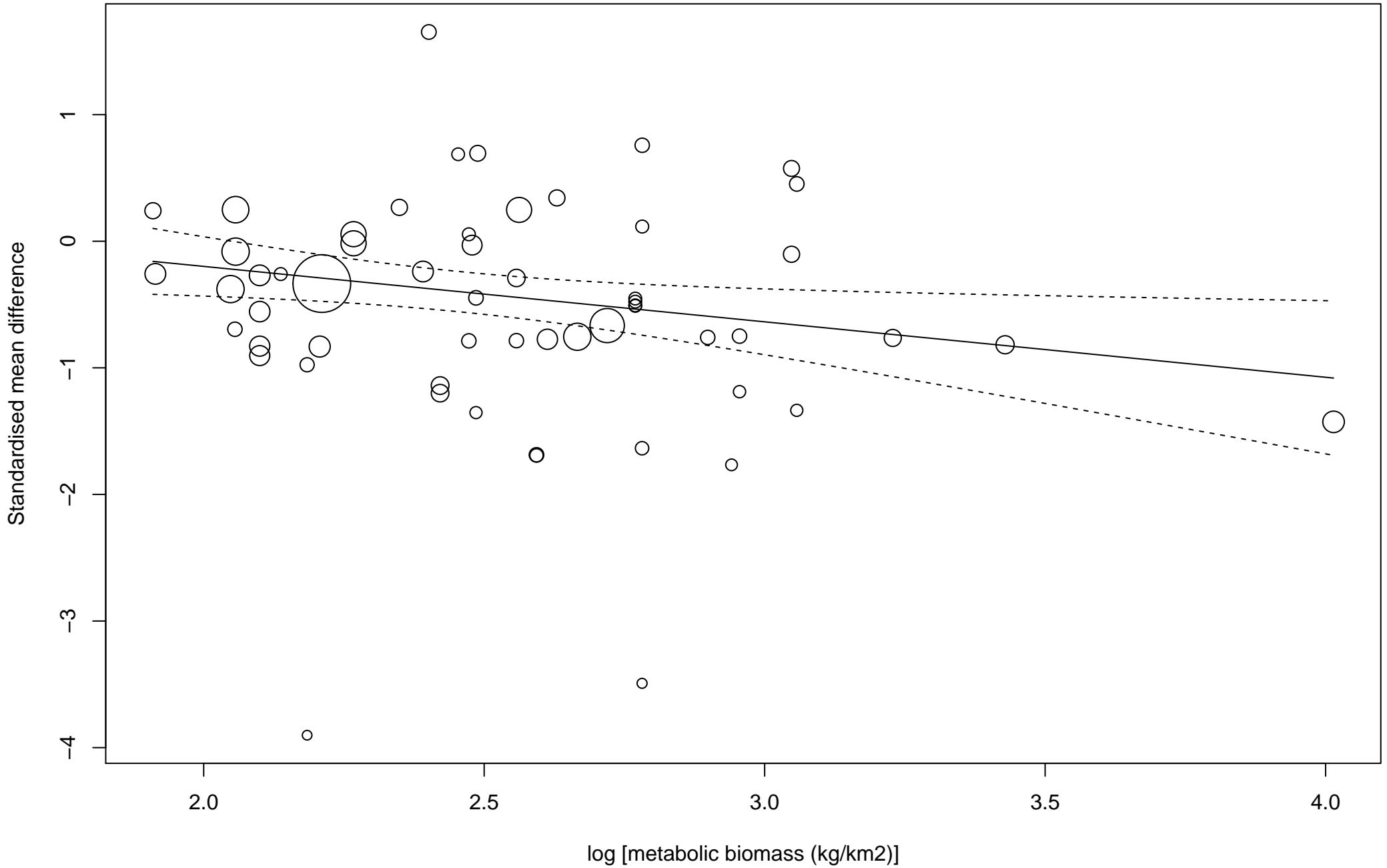
est= -0.639
se= 0.3756
P= 0.089

Understorey abundance vs. herbivore biomass



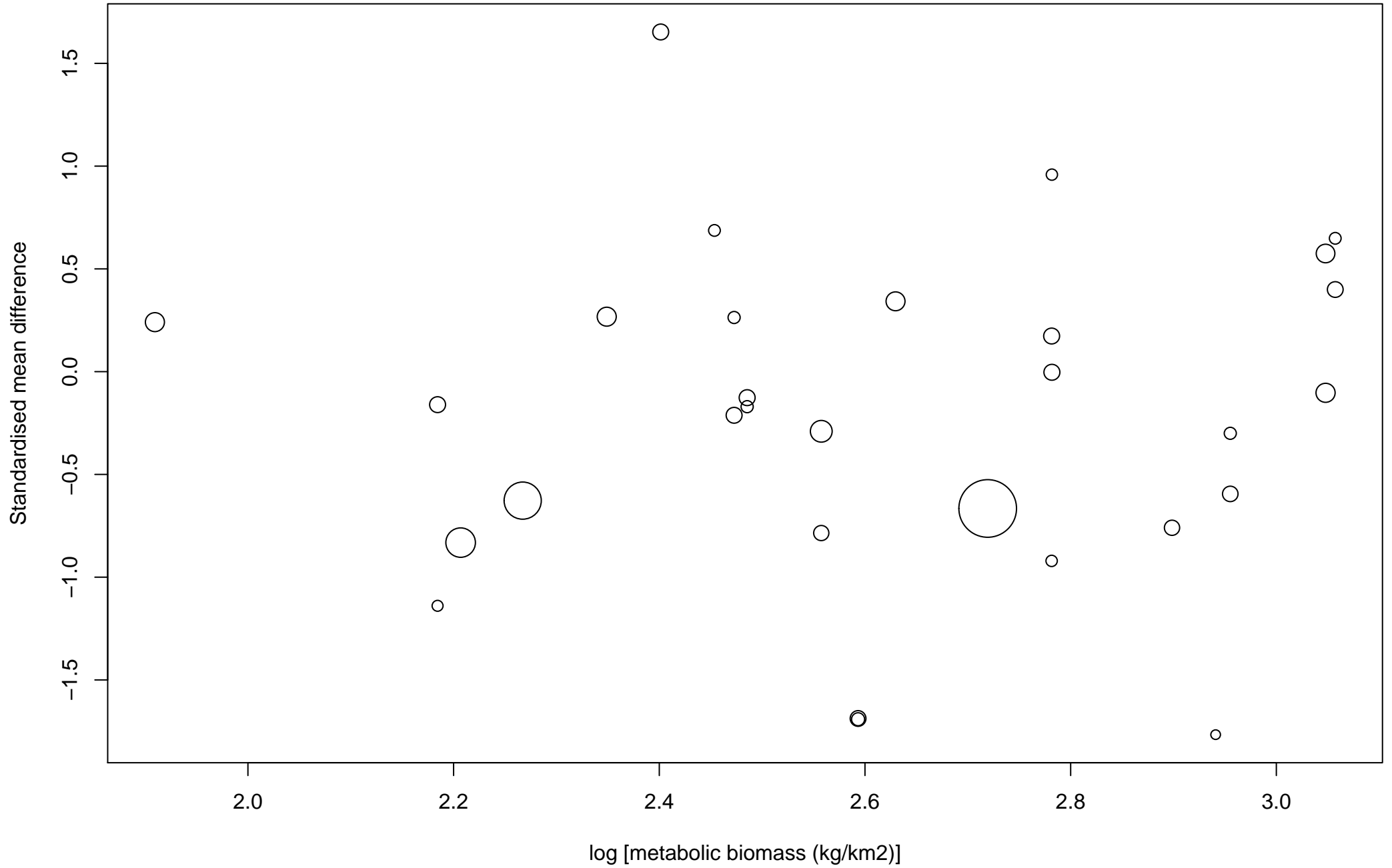
est= -0.438
se= 0.1928
P= 0.023

Woody understorey abundance vs. herbivore biomass



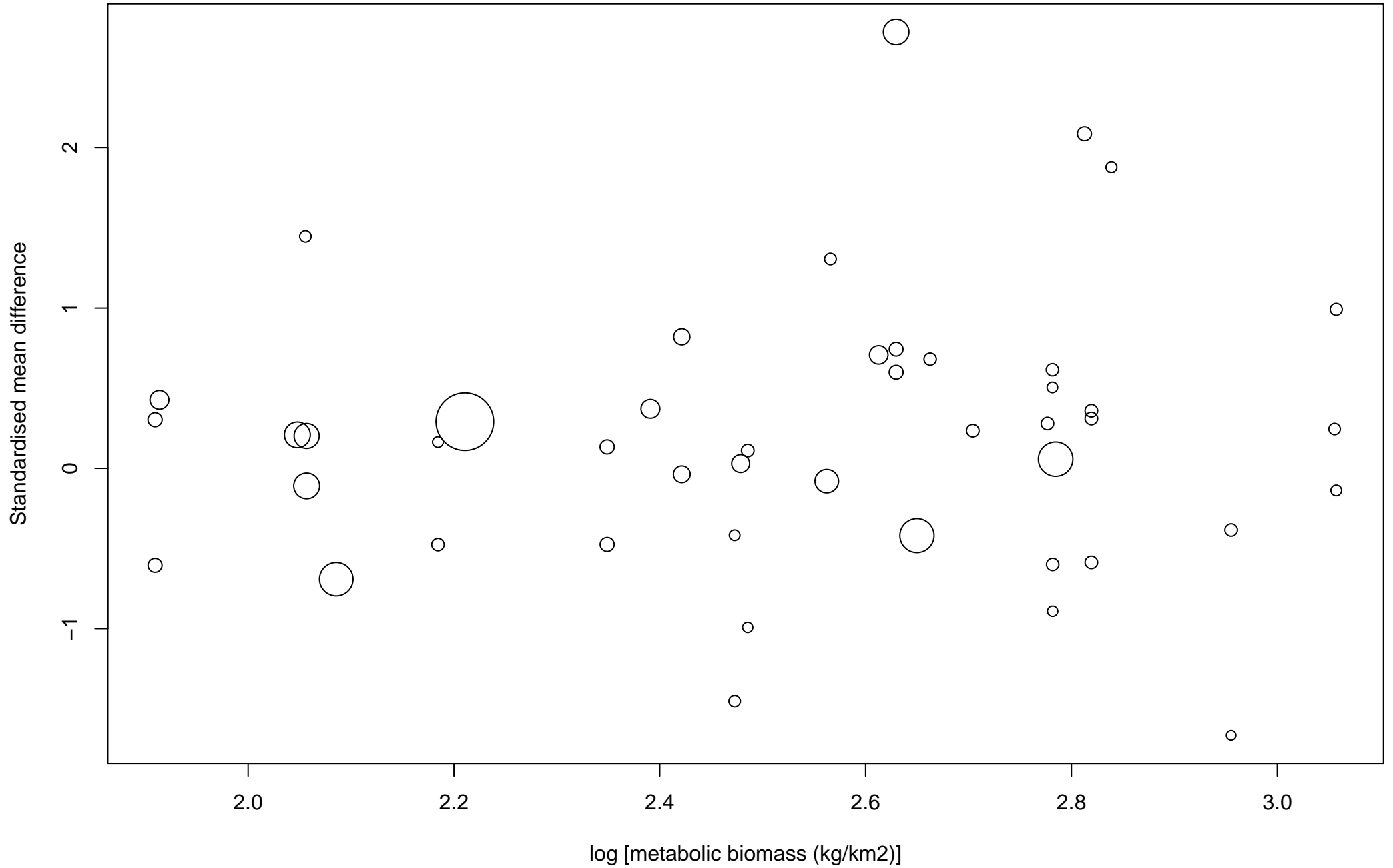
est= 0.18
se= 0.4912
P= 0.714

Tree sapling abundance vs. herbivore biomass



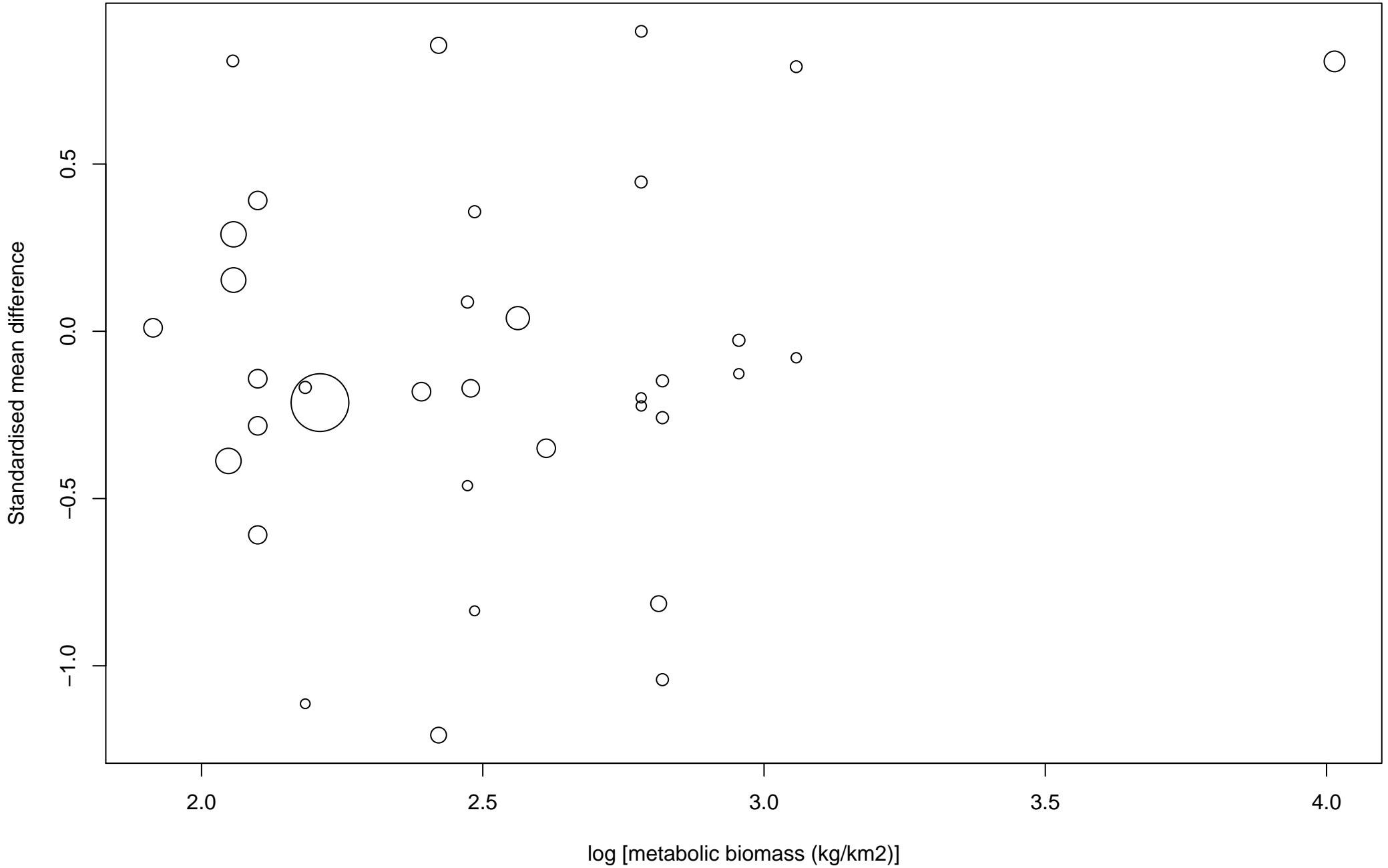
est= 0.59
se= 0.4009
P= 0.141

Graminoid abundance vs. herbivore biomass



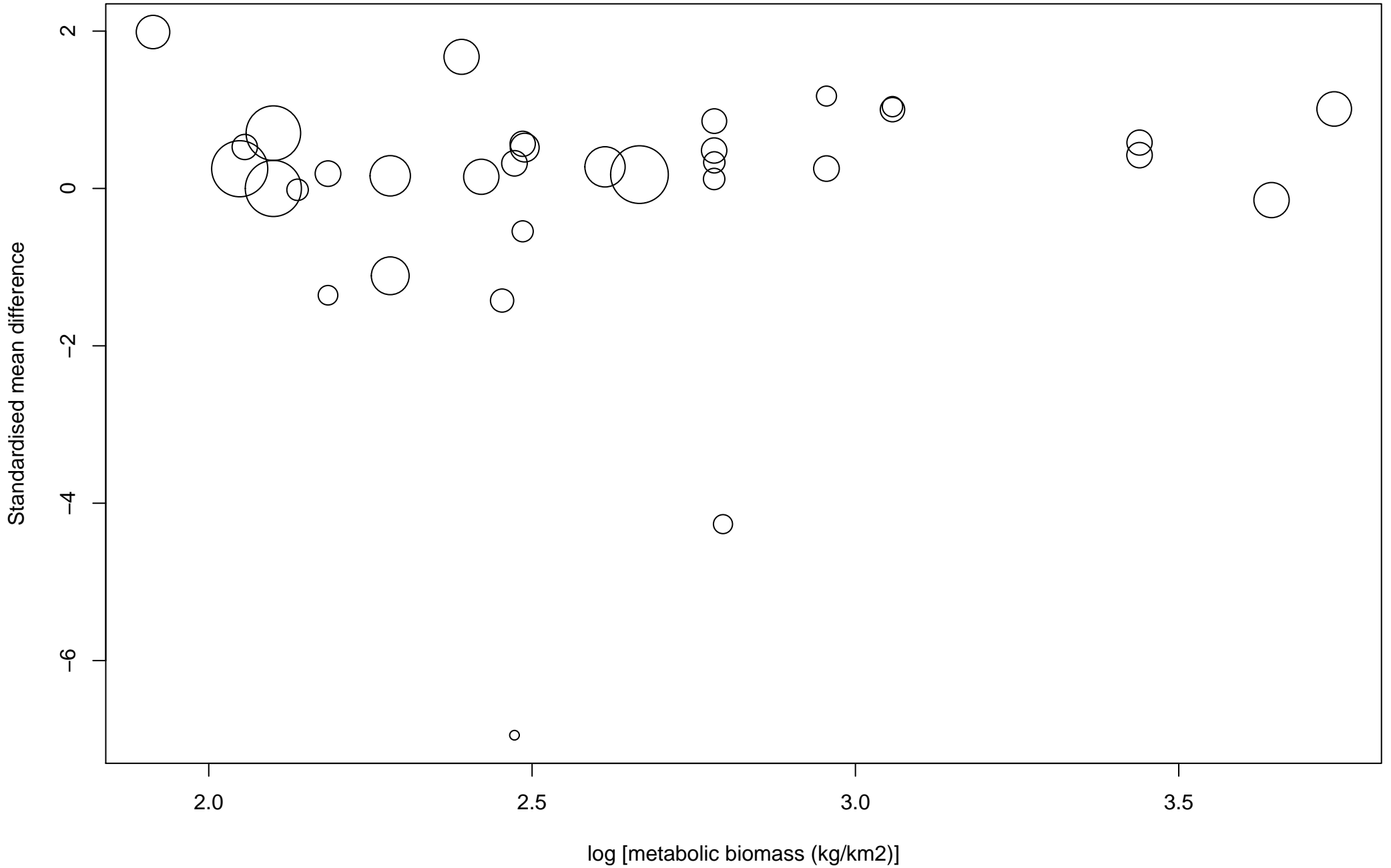
est= 0.304
se= 0.2031
P= 0.135

Forb abundance vs. herbivore biomass



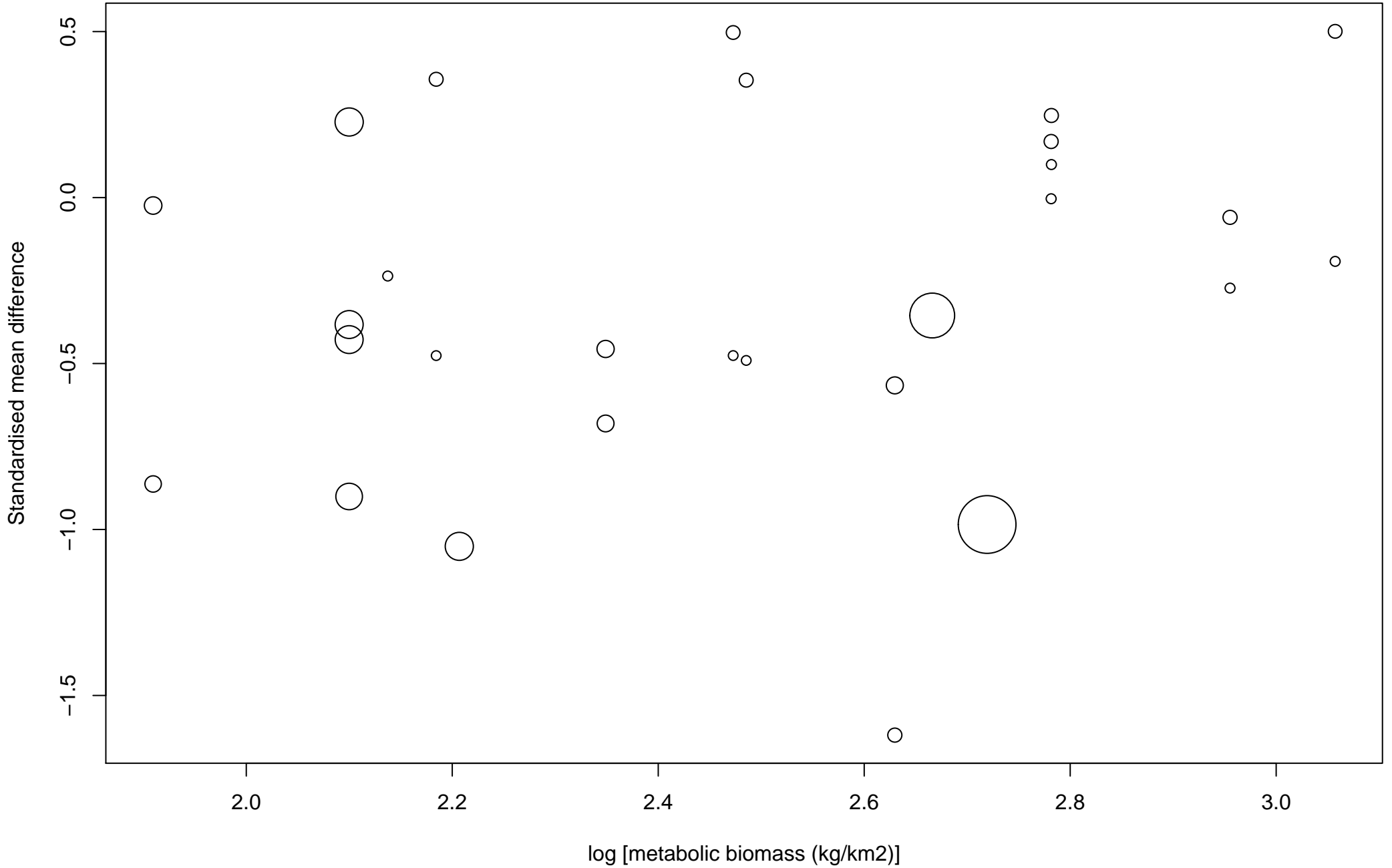
est= 0.061
se= 0.2977
P= 0.839

Understorey species richness vs. herbivore biomass



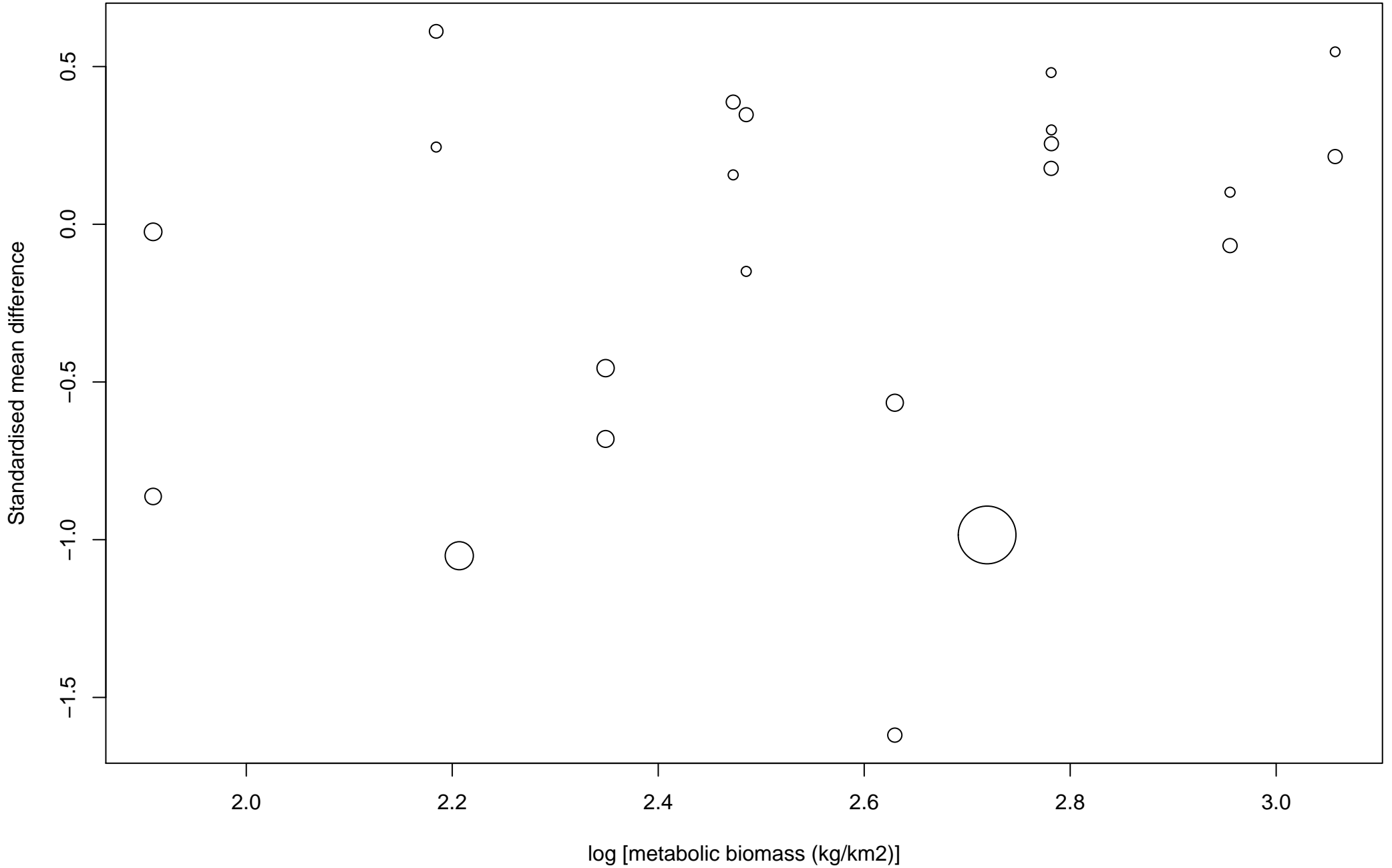
Woody understore species richness vs. herbivore biomass

est= -0.005
se= 0.4735
P= 0.991



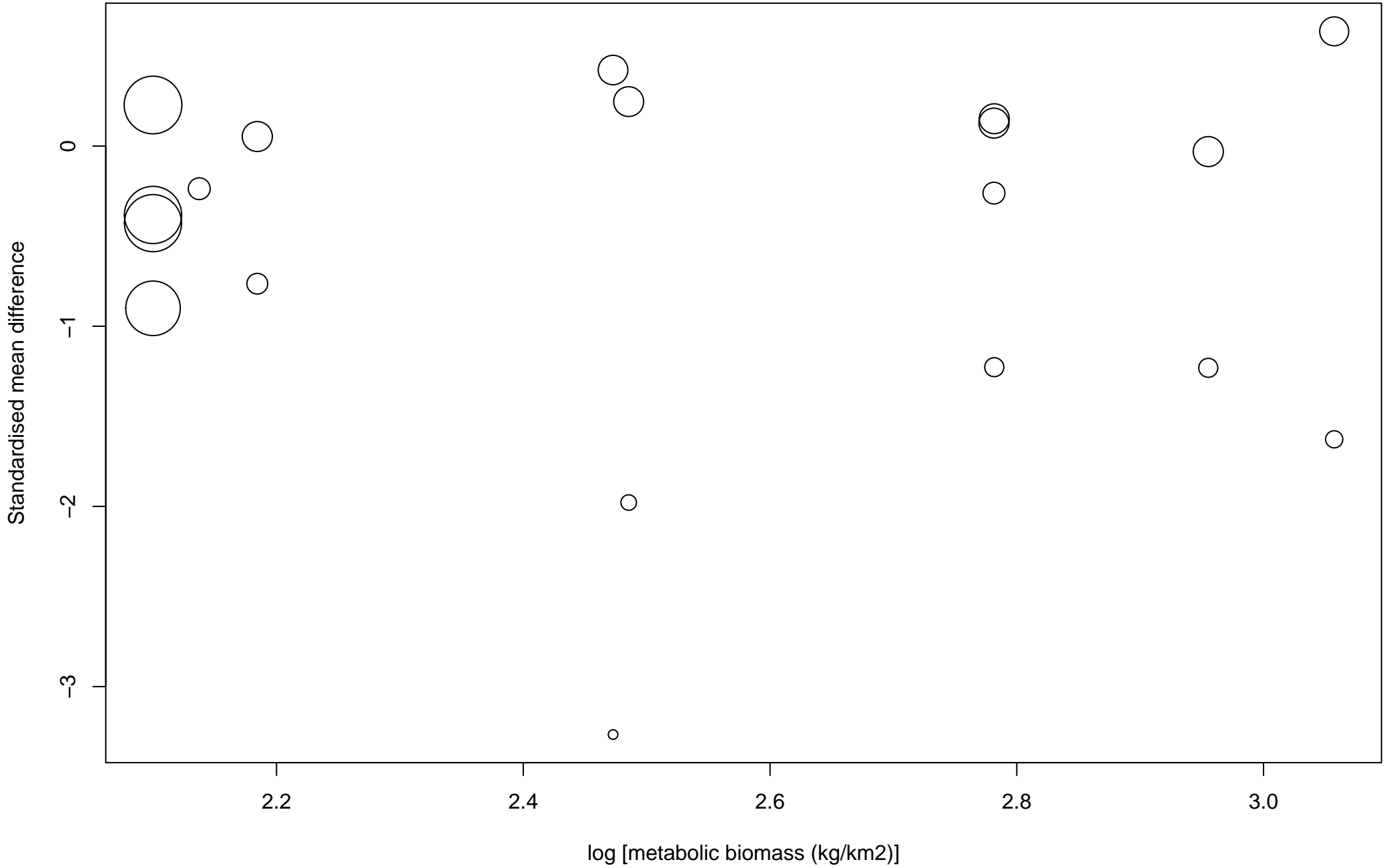
est= -0.132
se= 0.5917
P= 0.824

Tree sapling species richness vs. herbivore biomass



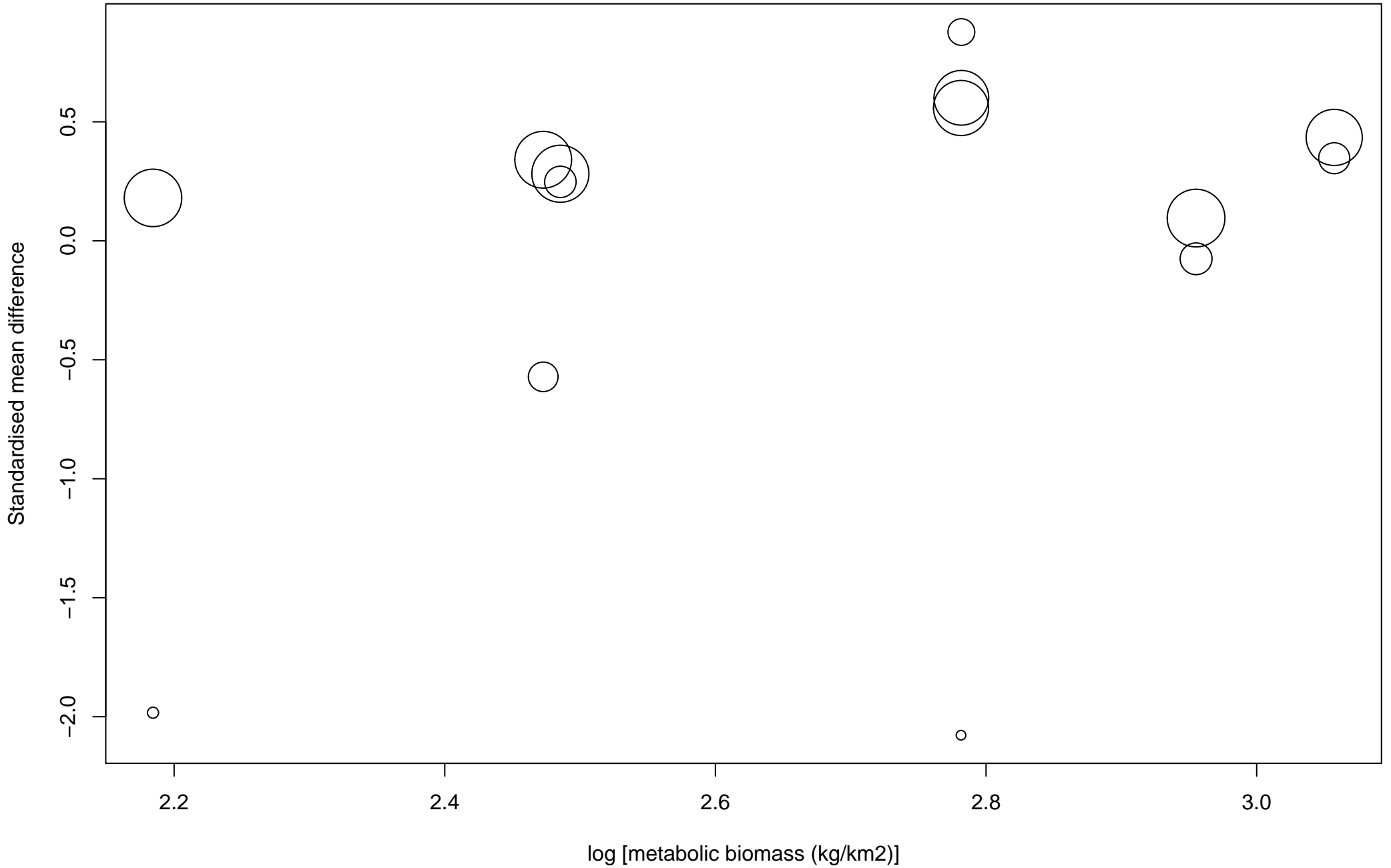
est= 0.03
se= 0.7337
P= 0.967

Shrub species richness vs. herbivore biomass



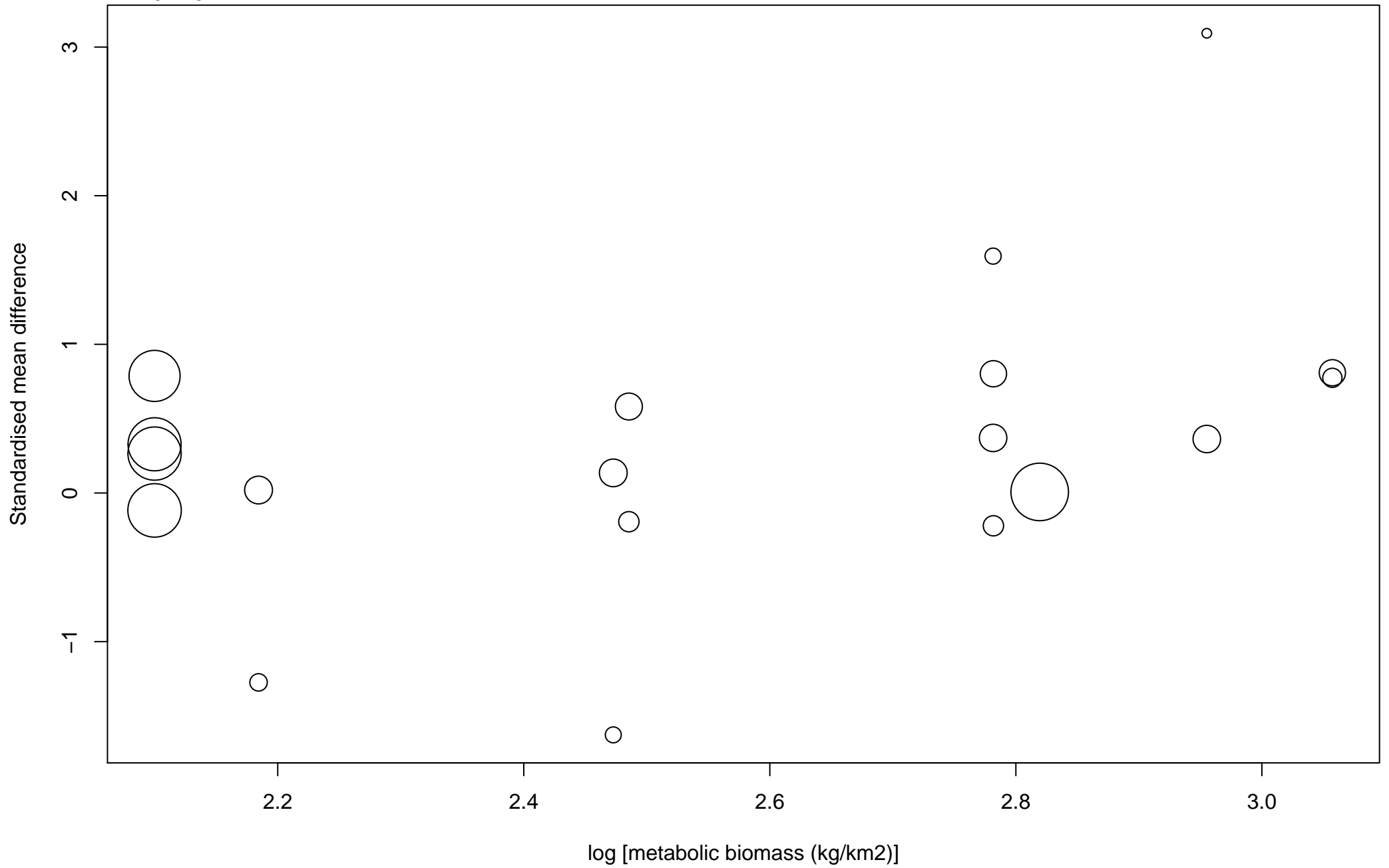
est= 0.708
se= 0.8726
P= 0.417

Graminoid species richness vs. herbivore biomass



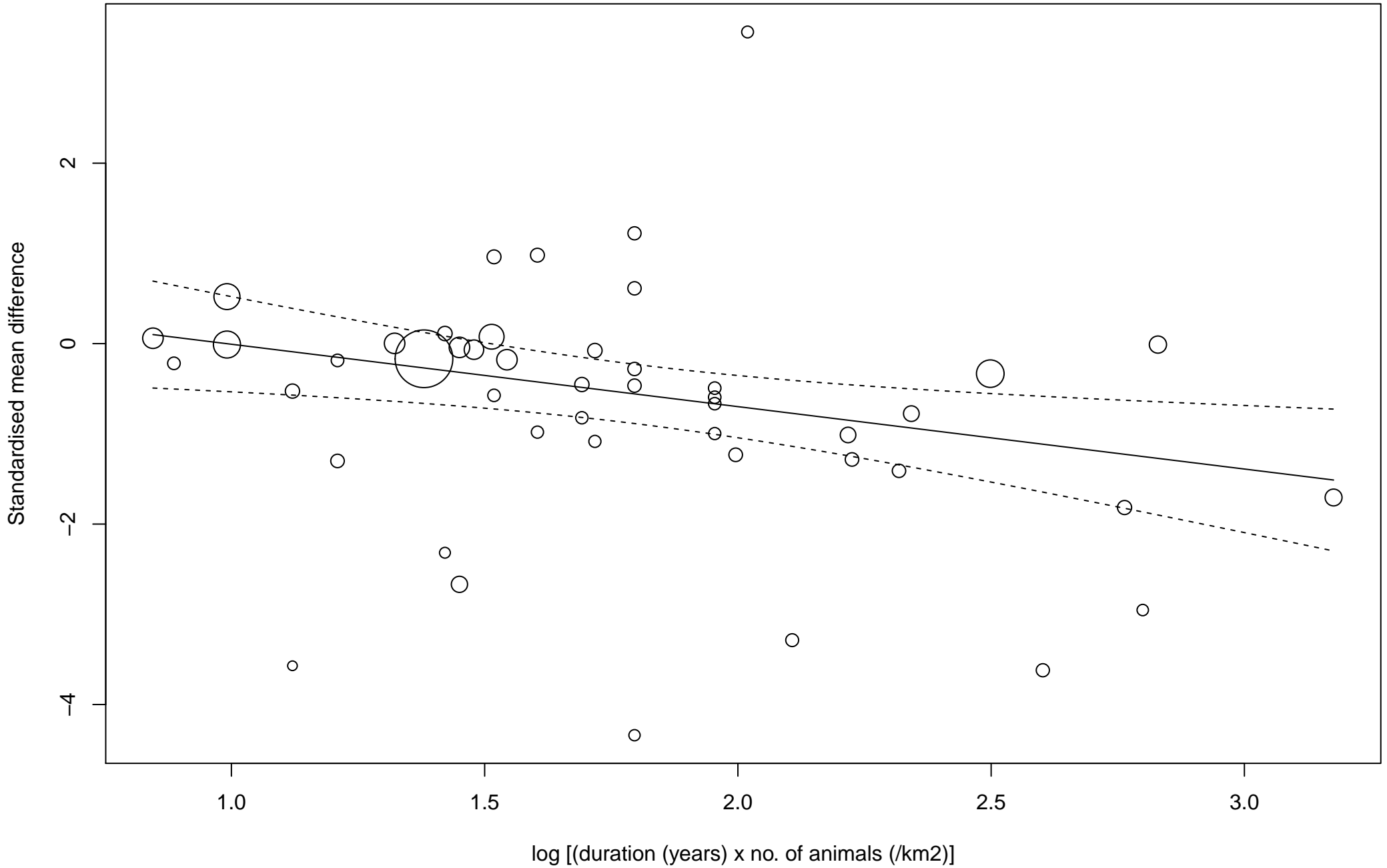
est= 0.371
se= 0.4689
P= 0.429

Forb species richness vs. herbivore biomass



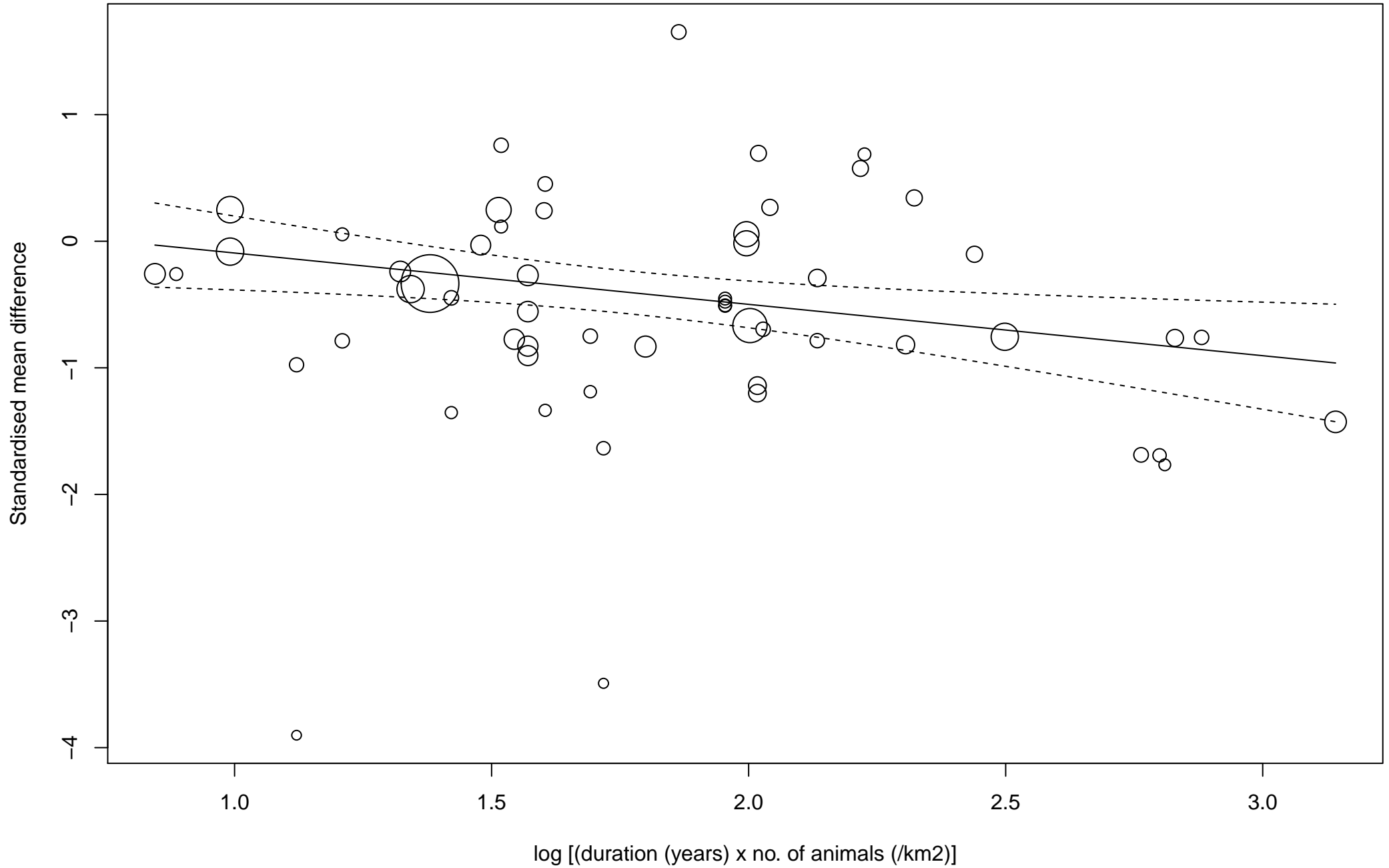
est= -0.692
se= 0.2643
P= 0.009

Understorey abundance vs. herbivore years



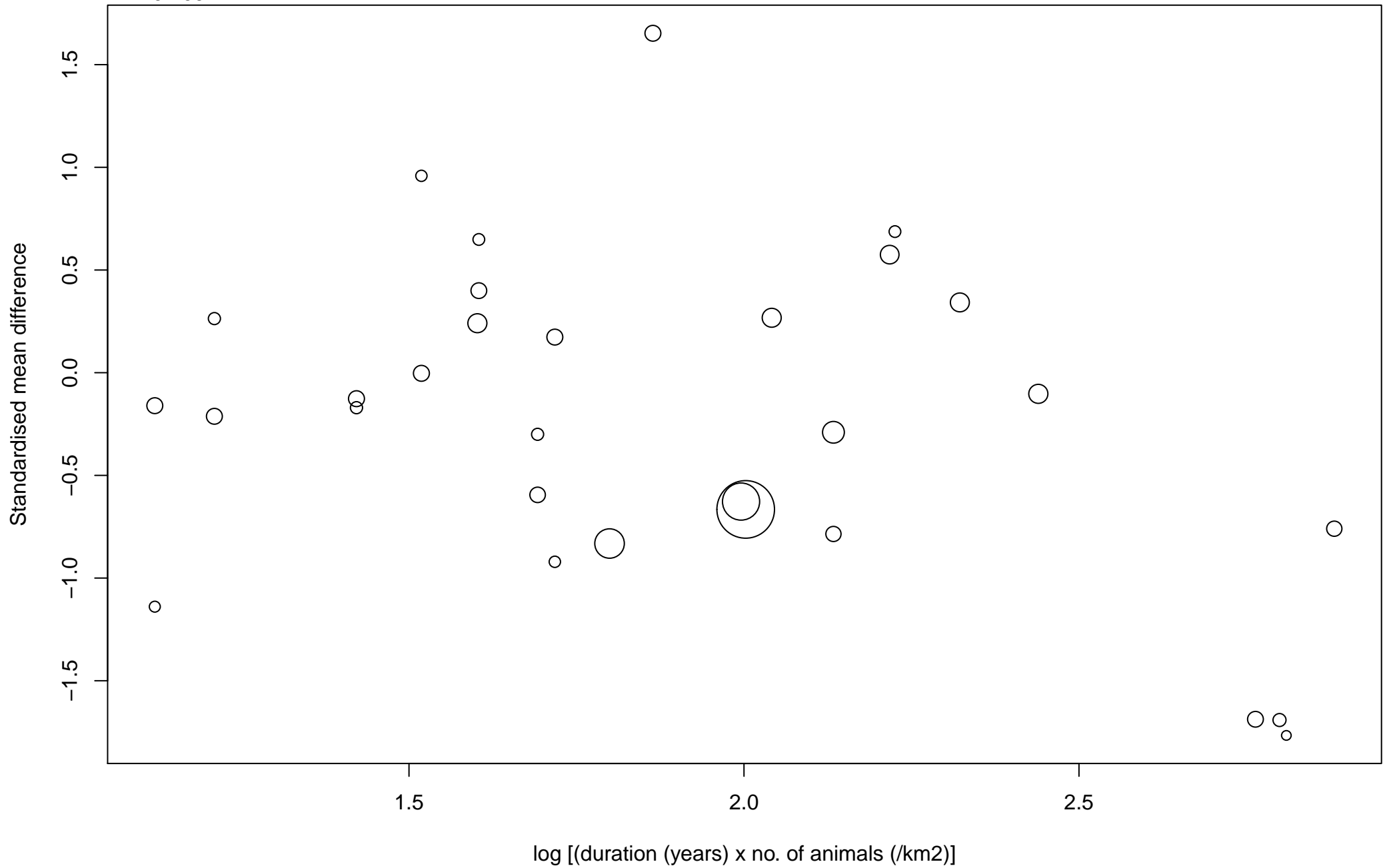
est= -0.406
se= 0.1596
P= 0.011

Woody understorey abundance vs. herbivore years



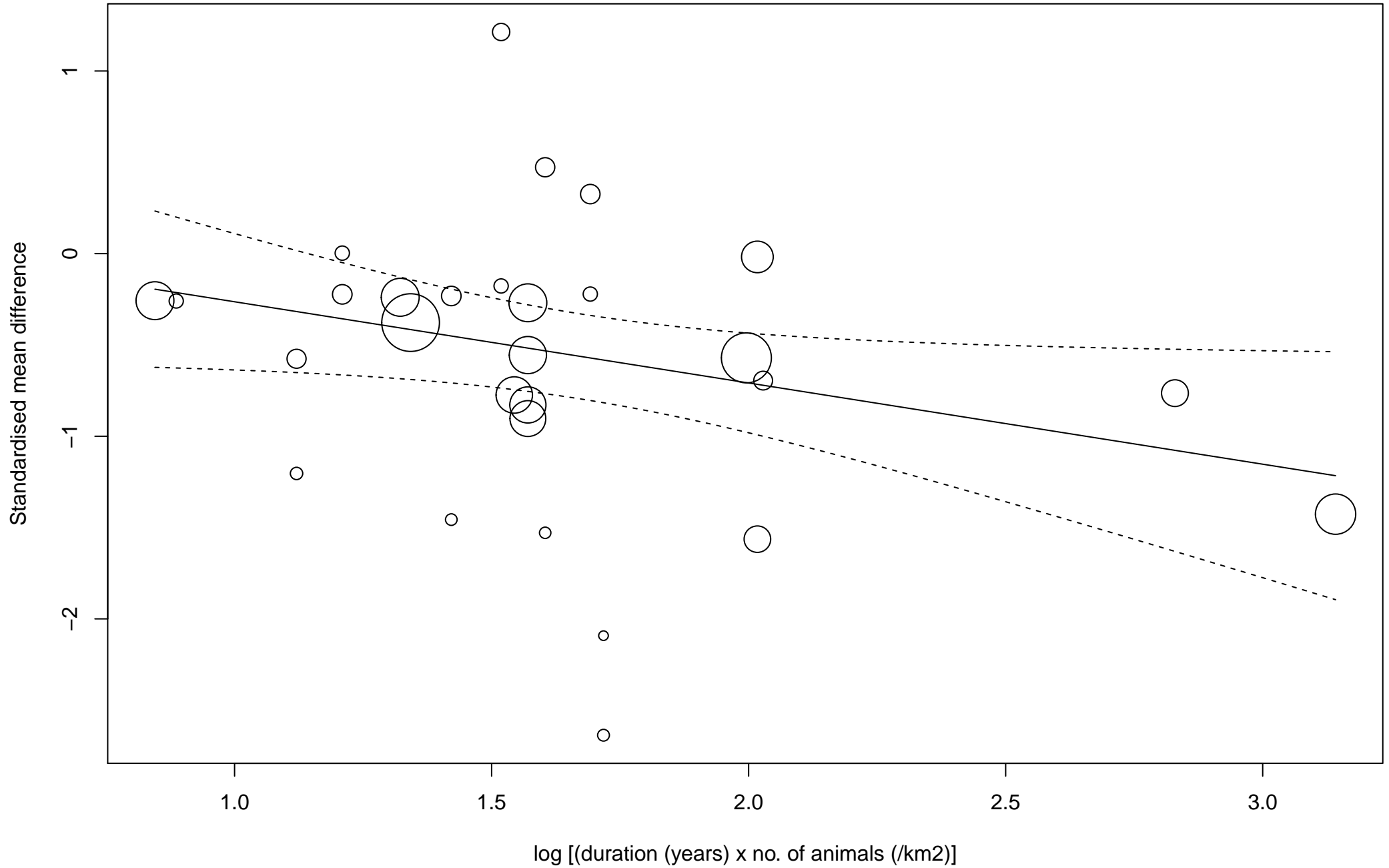
est= -0.56
se= 0.3493
P= 0.109

Tree sapling abundance vs. herbivore years



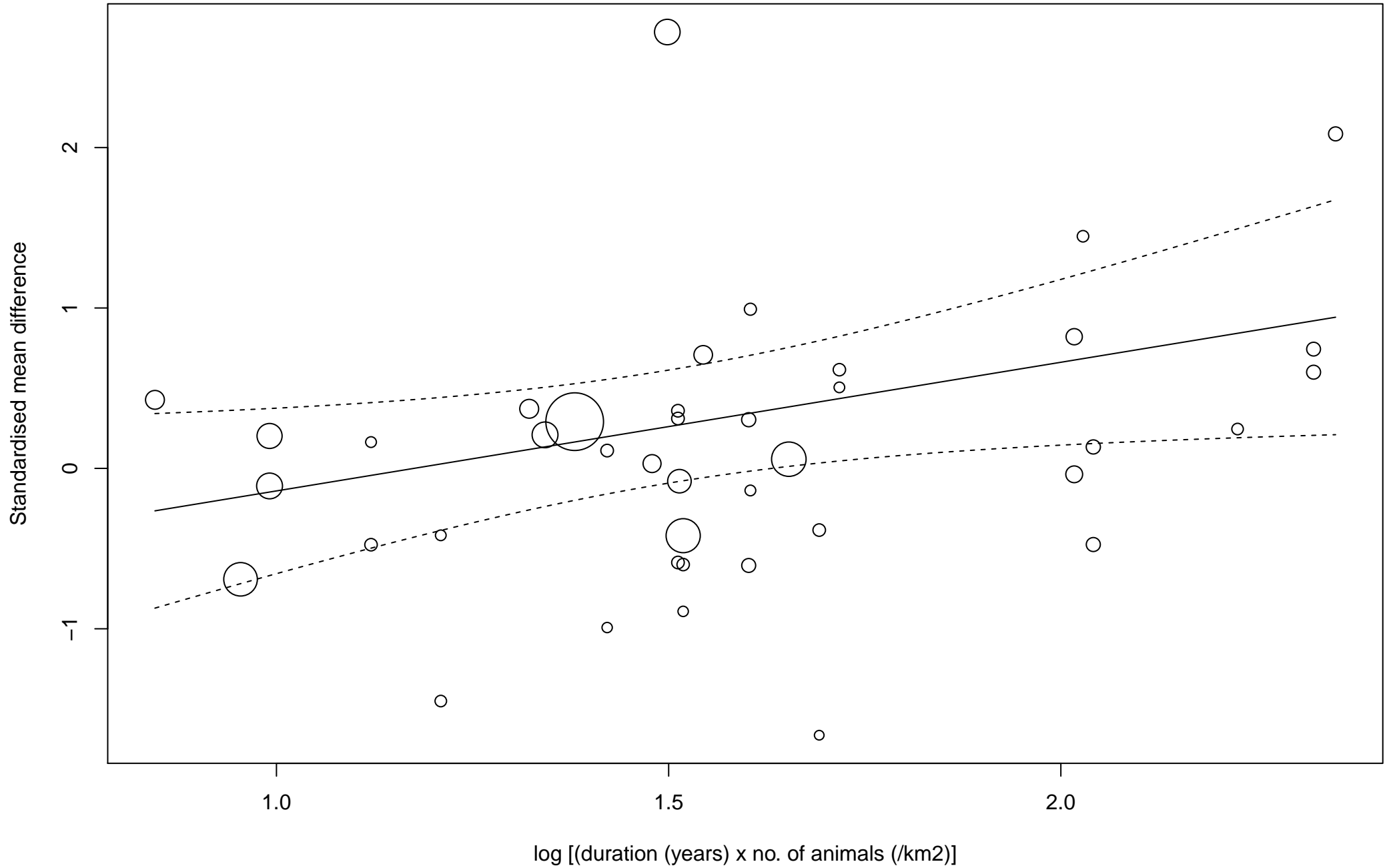
est= -0.445
se= 0.2215
P= 0.045

Shrub abundance vs. herbivore years



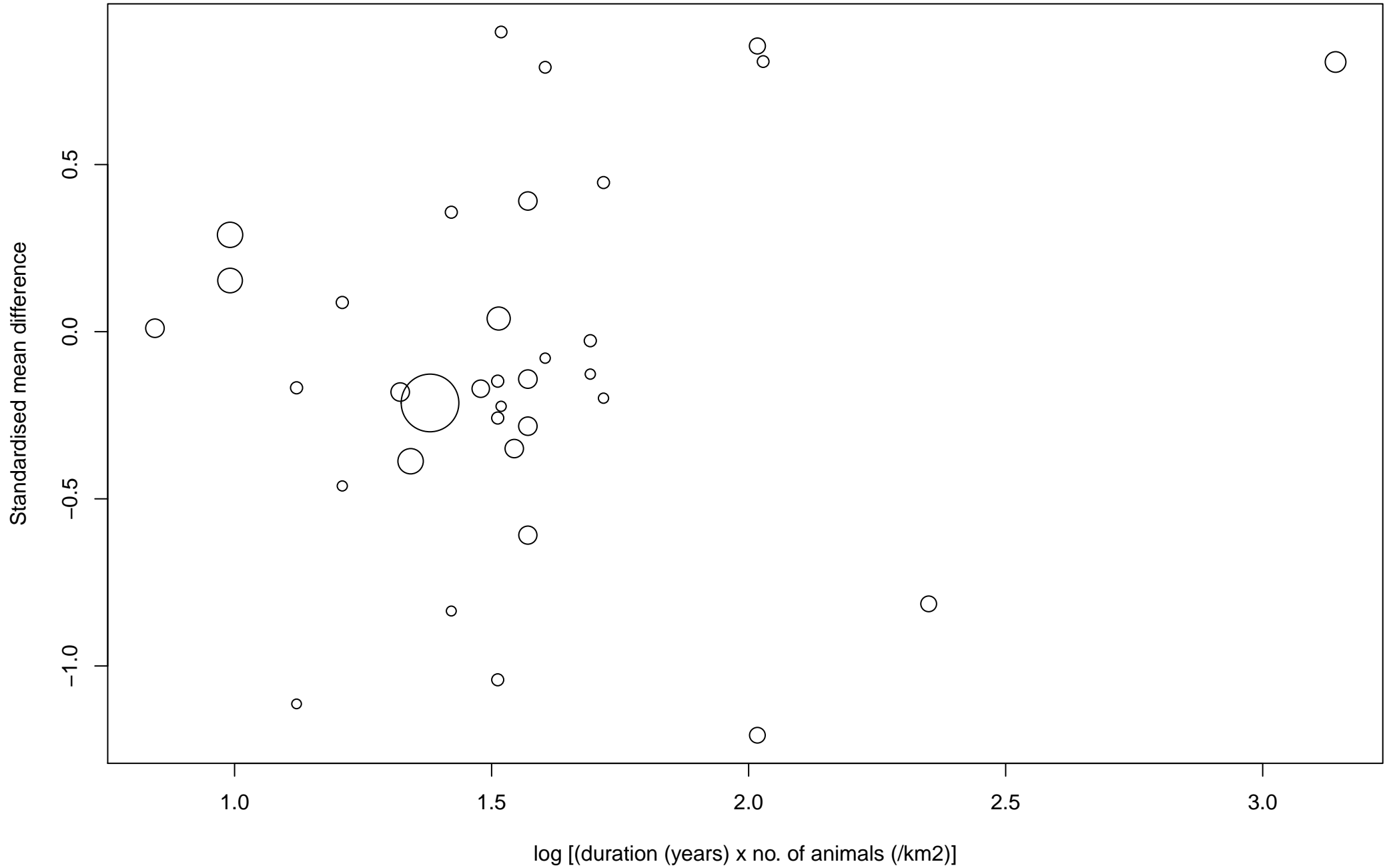
est= 0.802
se= 0.385
P= 0.037

Graminoid abundance vs. herbivore years



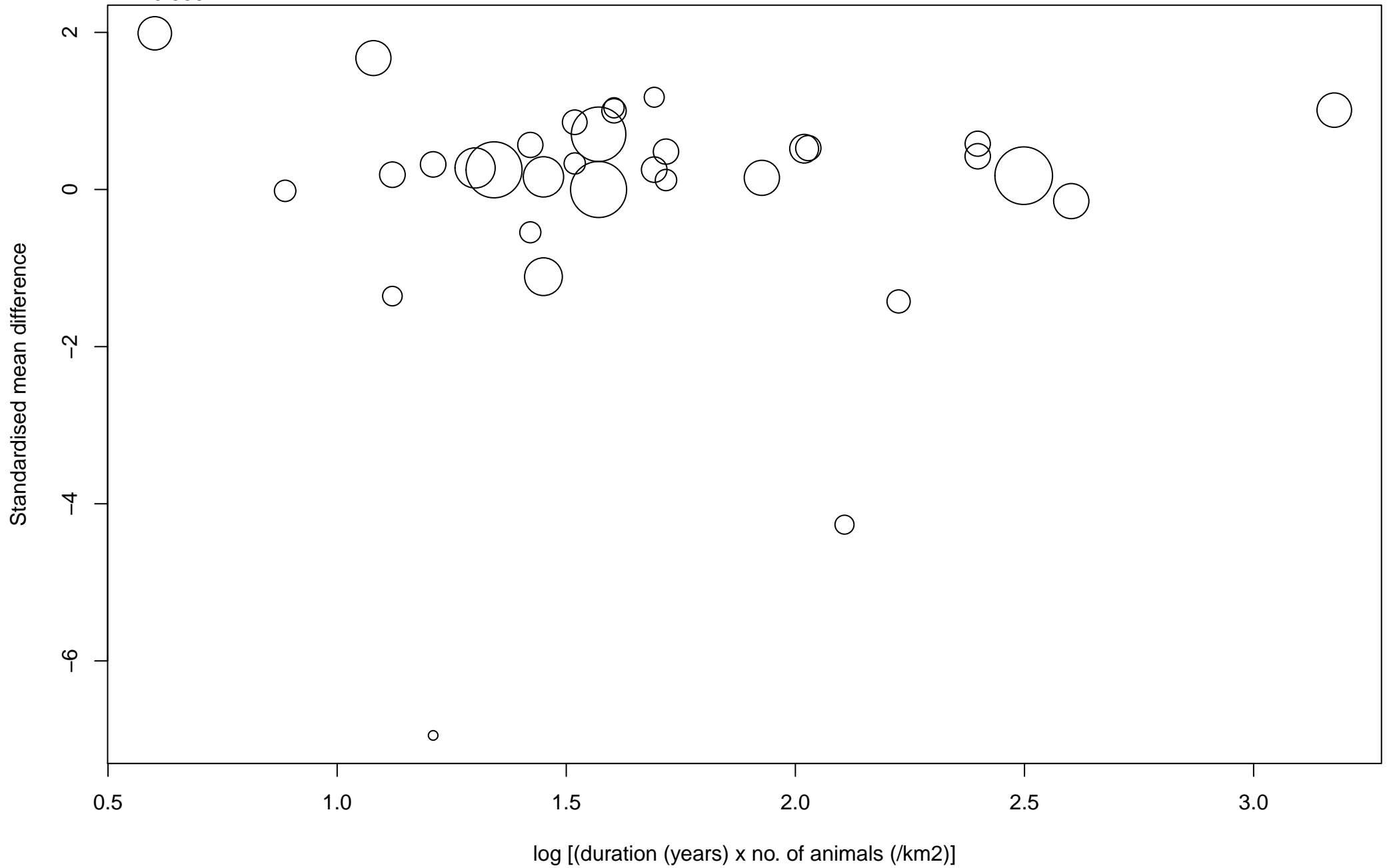
est= 0.208
se= 0.1996
P= 0.298

Forb abundance vs. herbivore years



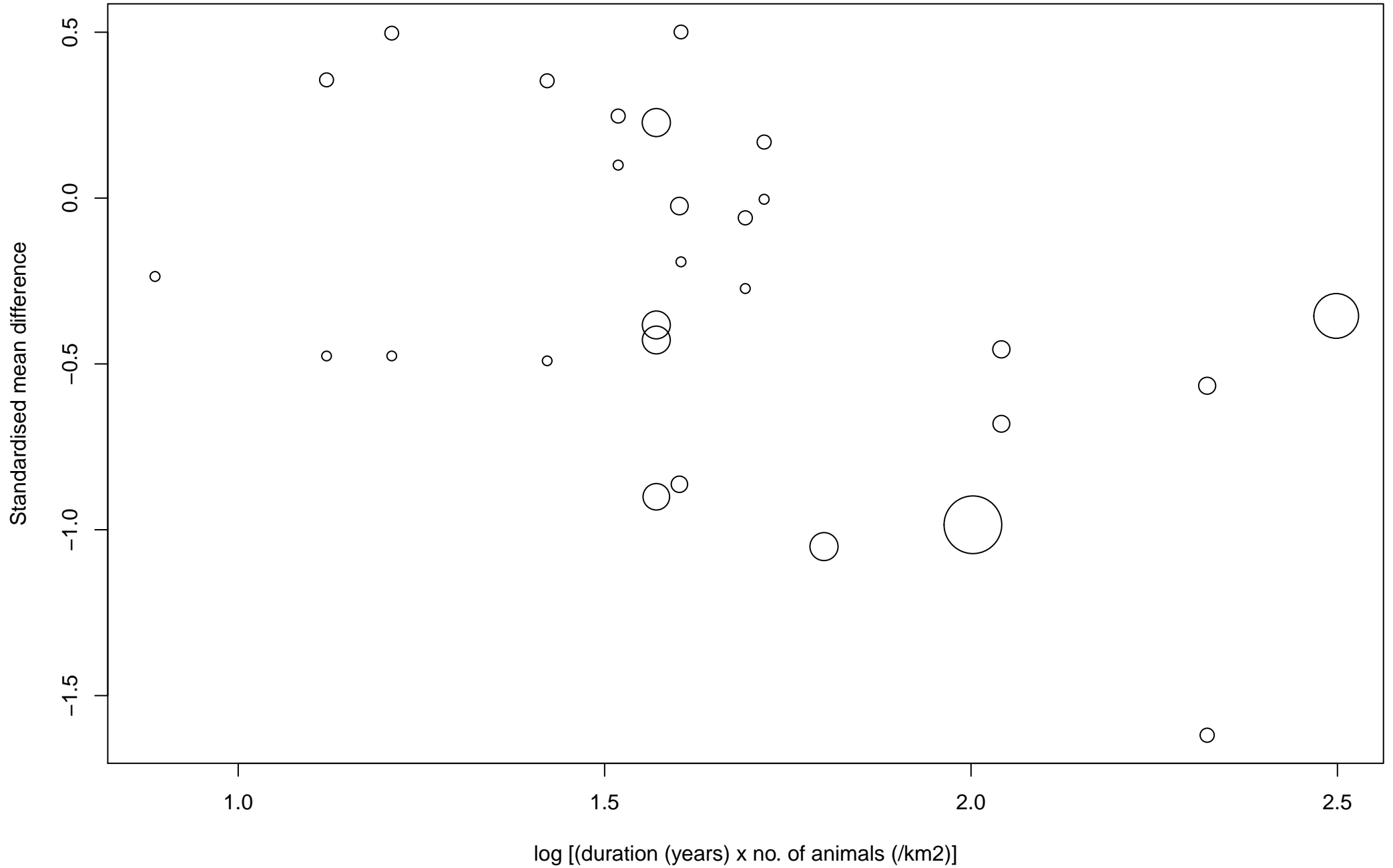
est= -0.156
se= 0.2675
P= 0.559

Understorey species richness vs. herbivore years



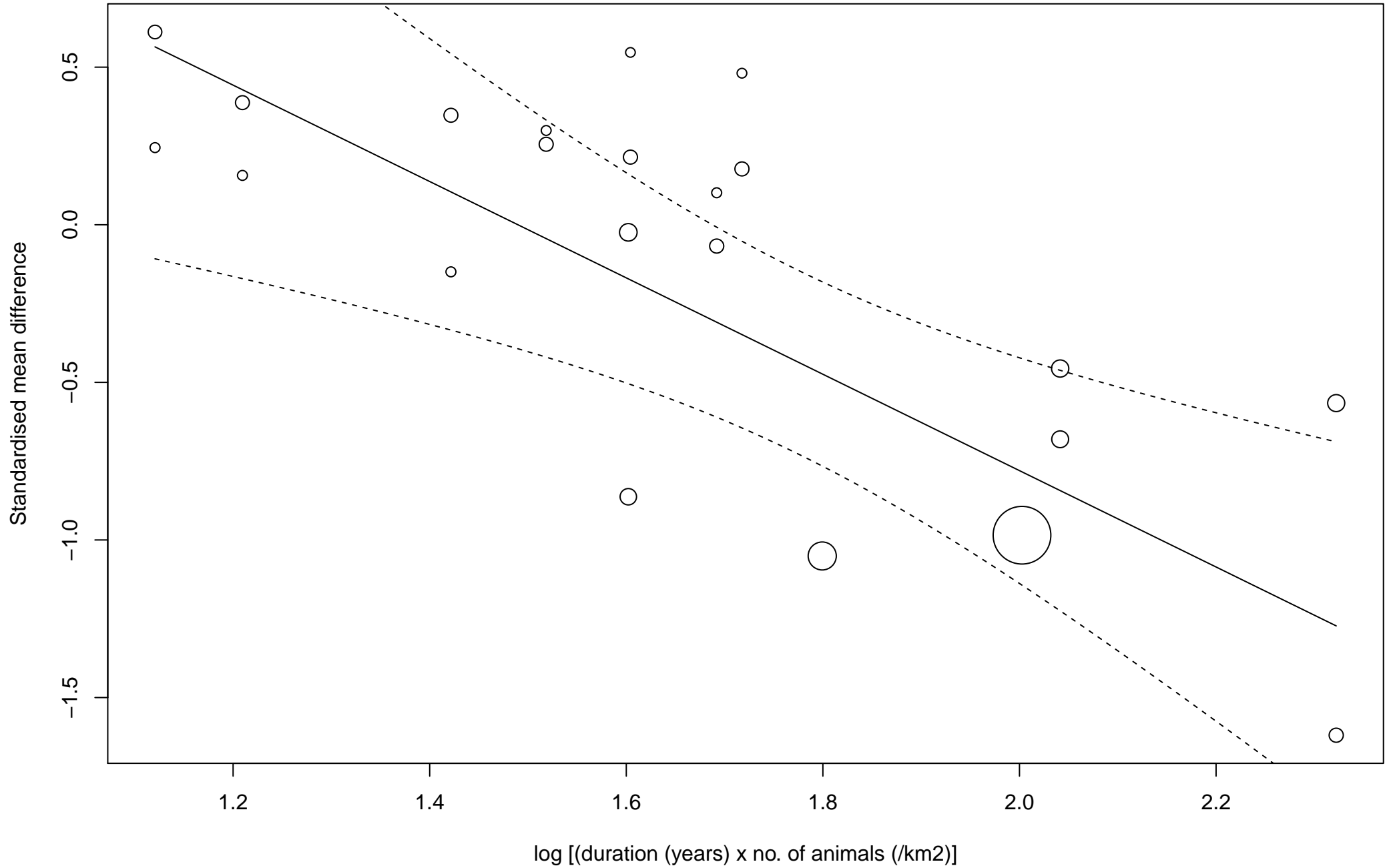
est= -0.49
se= 0.373
P= 0.189

Woody understorey species richness vs. herbivore years



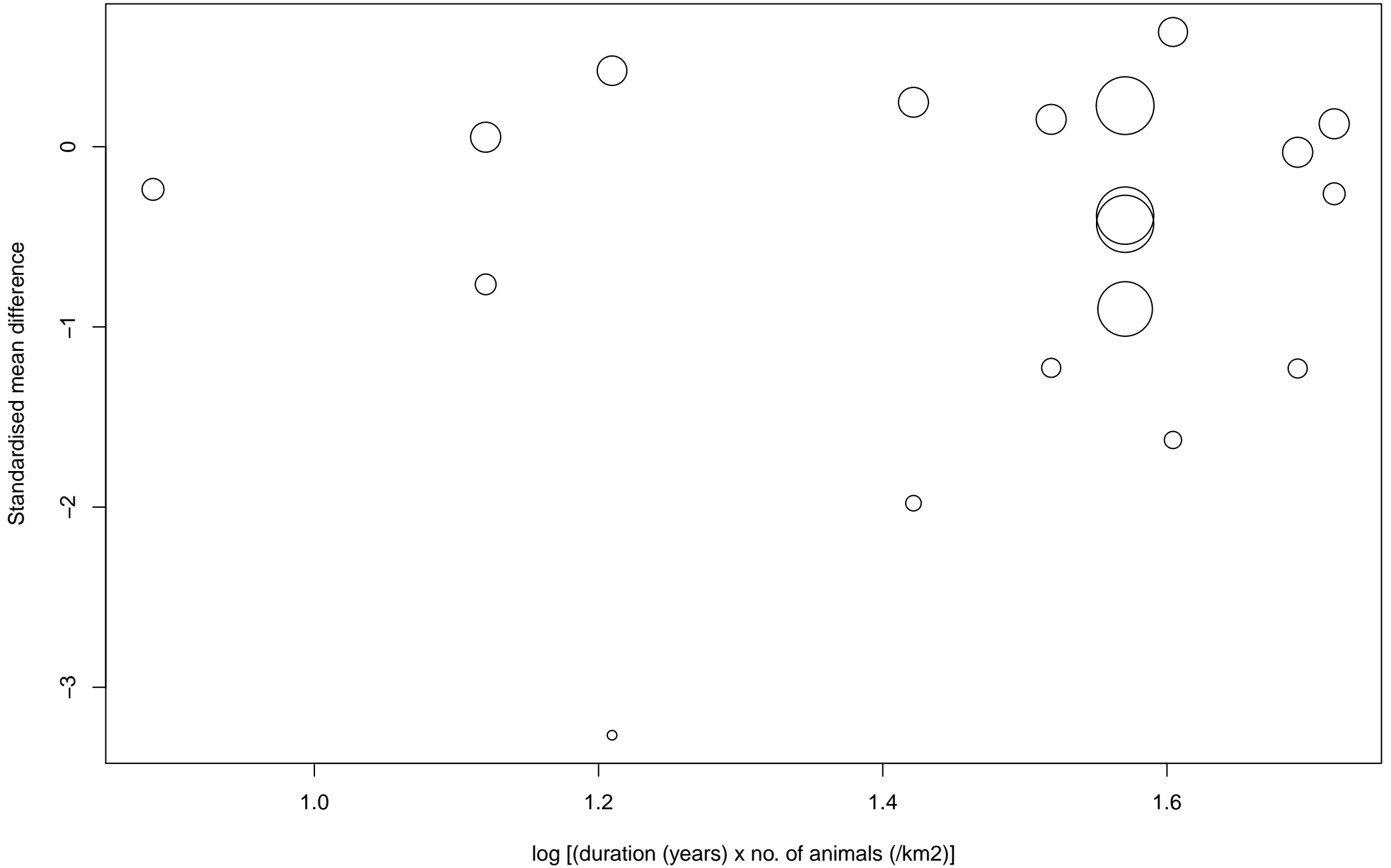
est= -1.529
se= 0.4723
P= 0.001

Tree sapling species richness vs. herbivore years



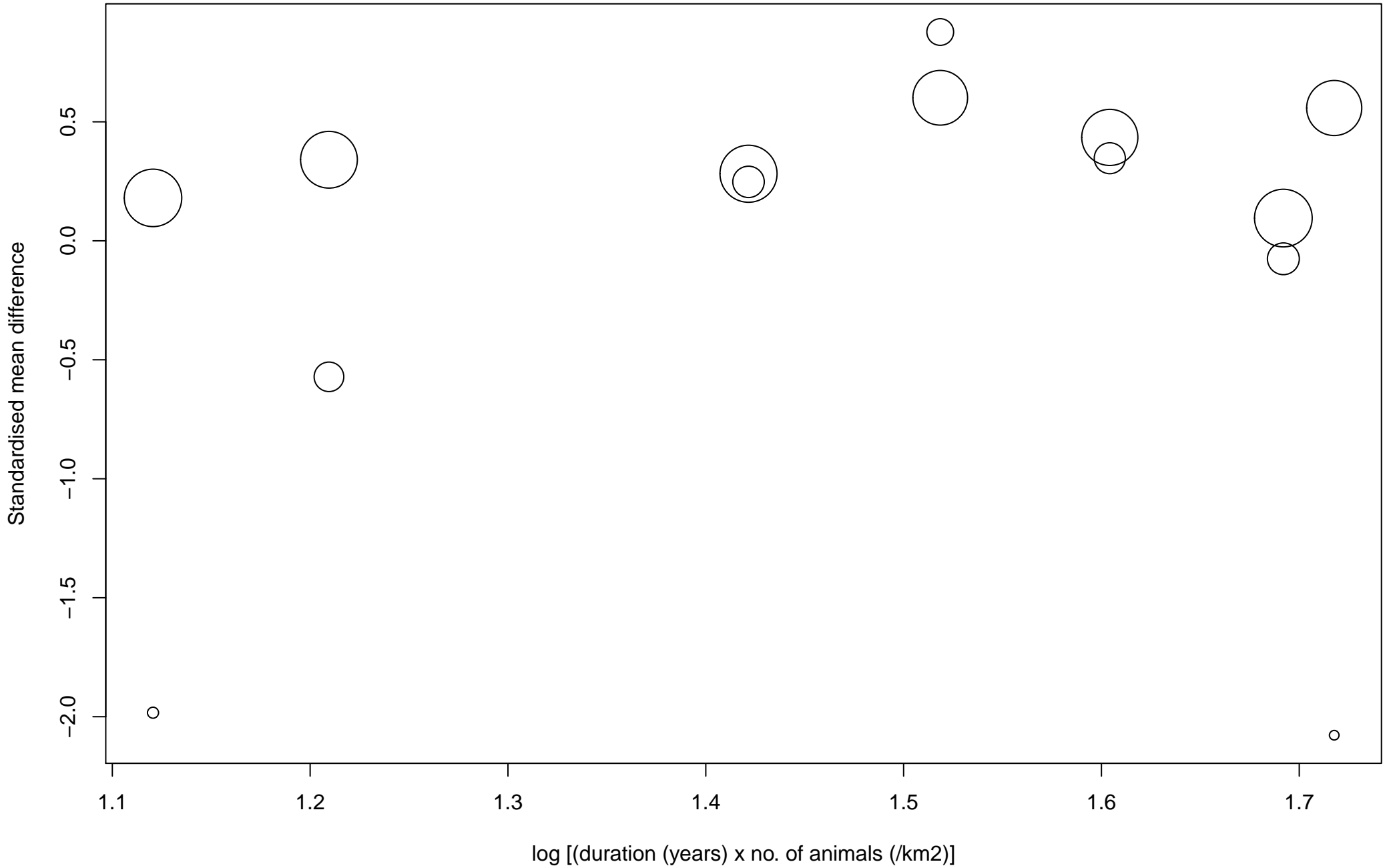
est= 0.17
se= 0.9906
P= 0.864

Shrub species richness vs. herbivore years



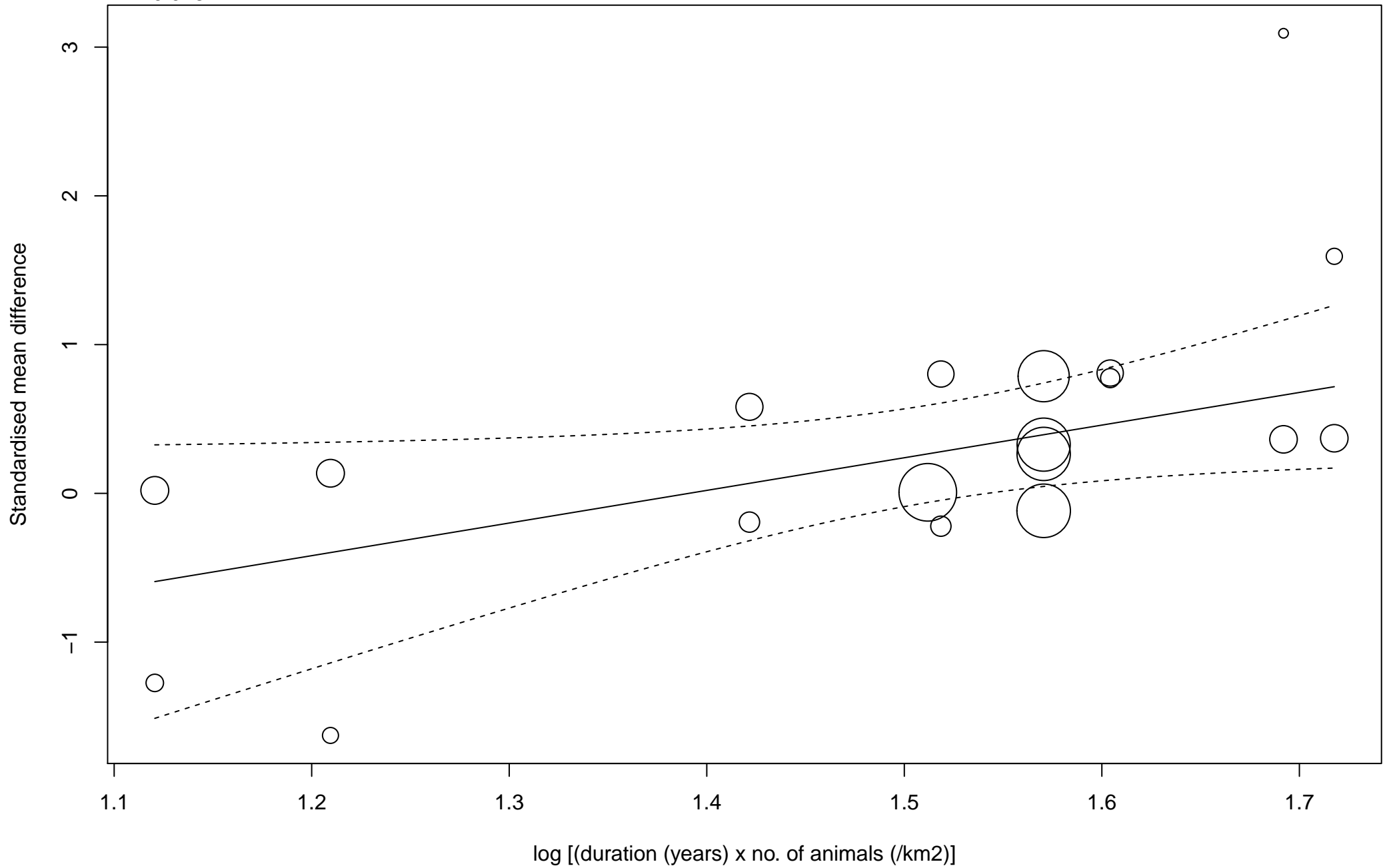
est= 0.61
se= 1.1651
P= 0.601

Graminoid species richness vs. herbivore years



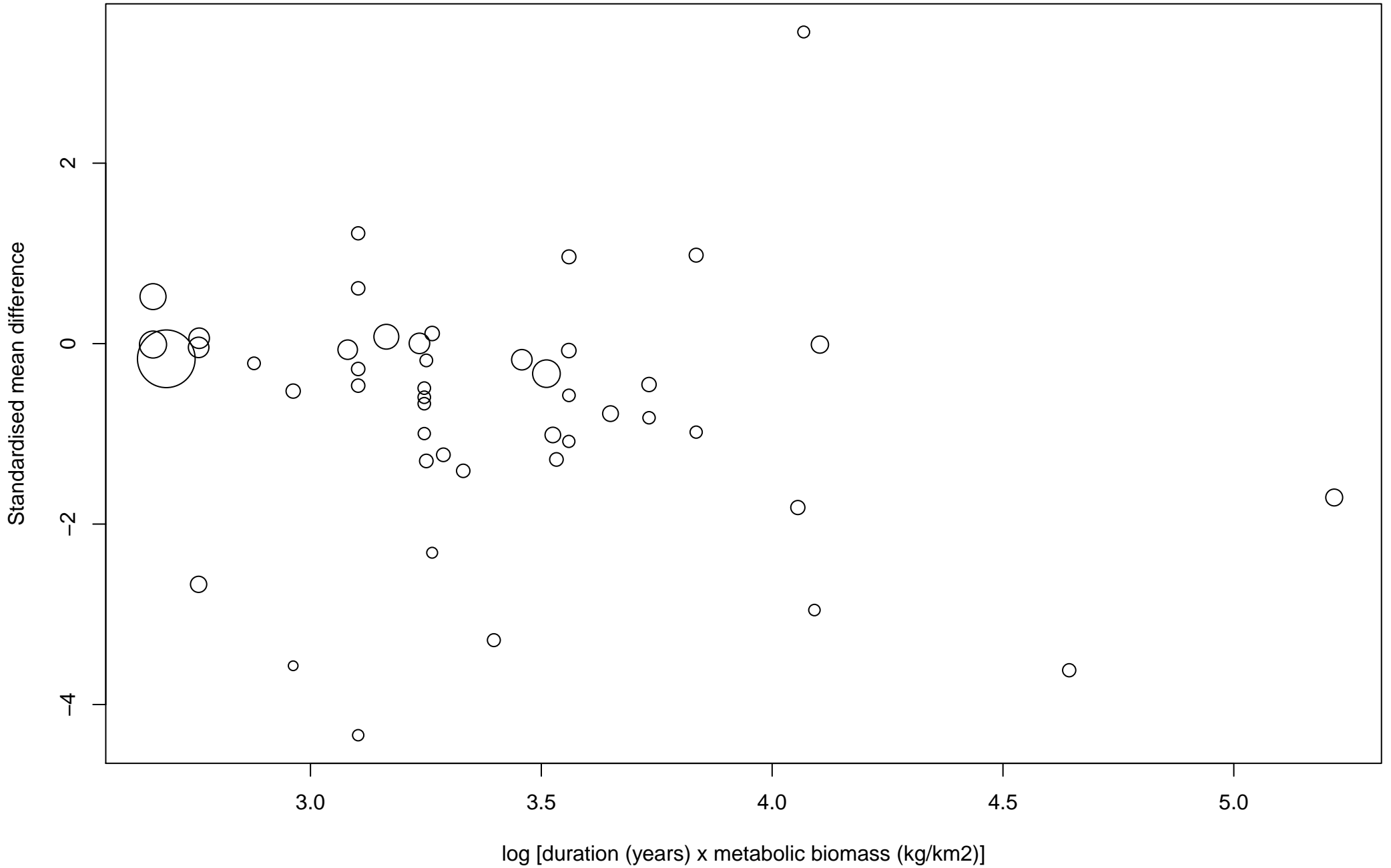
est= 2.195
se= 1.1093
P= 0.048

Forb species richness vs. herbivore years



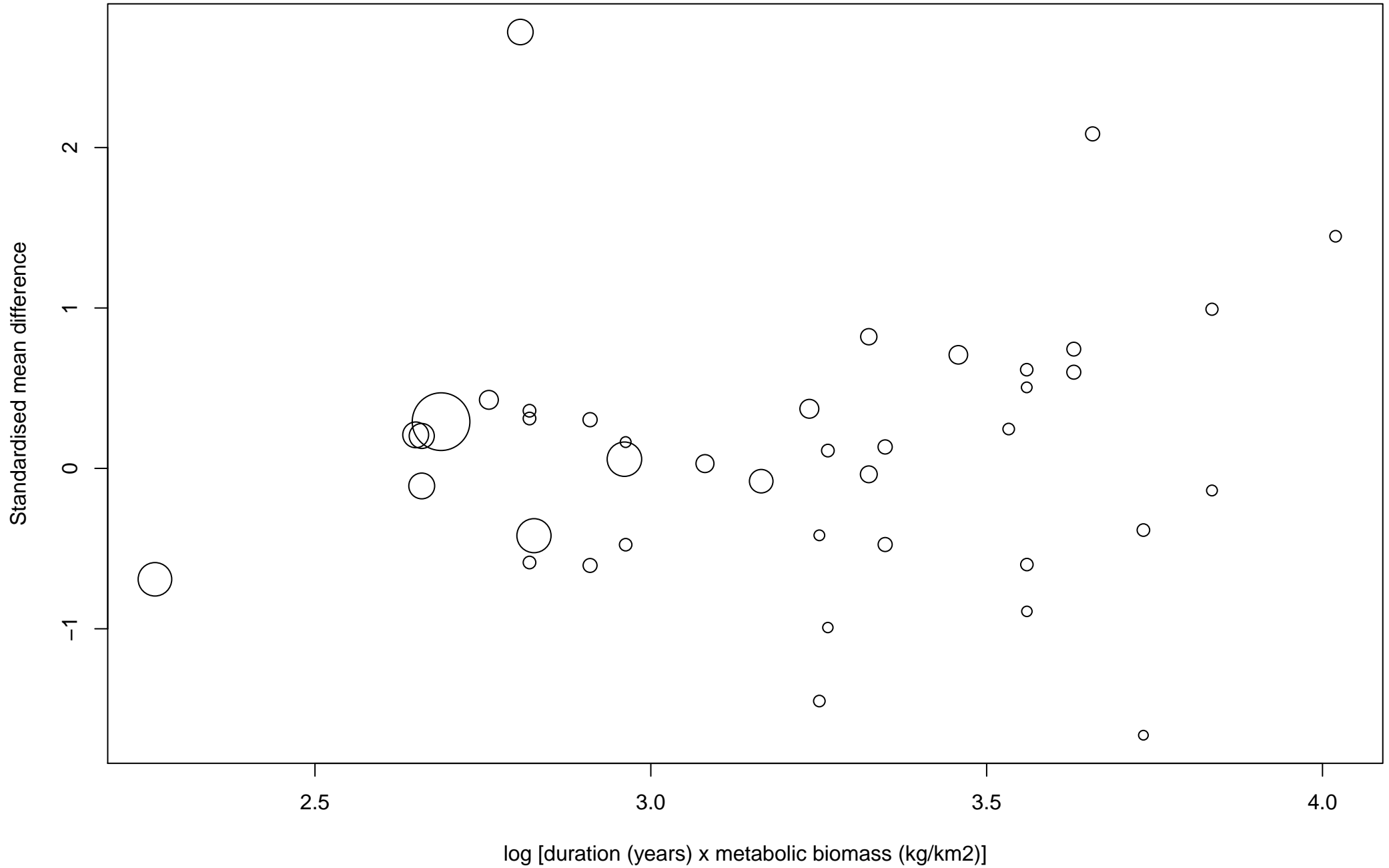
est= -0.496
se= 0.2859
P= 0.083

Understorey abundance vs. herbivore biomass years



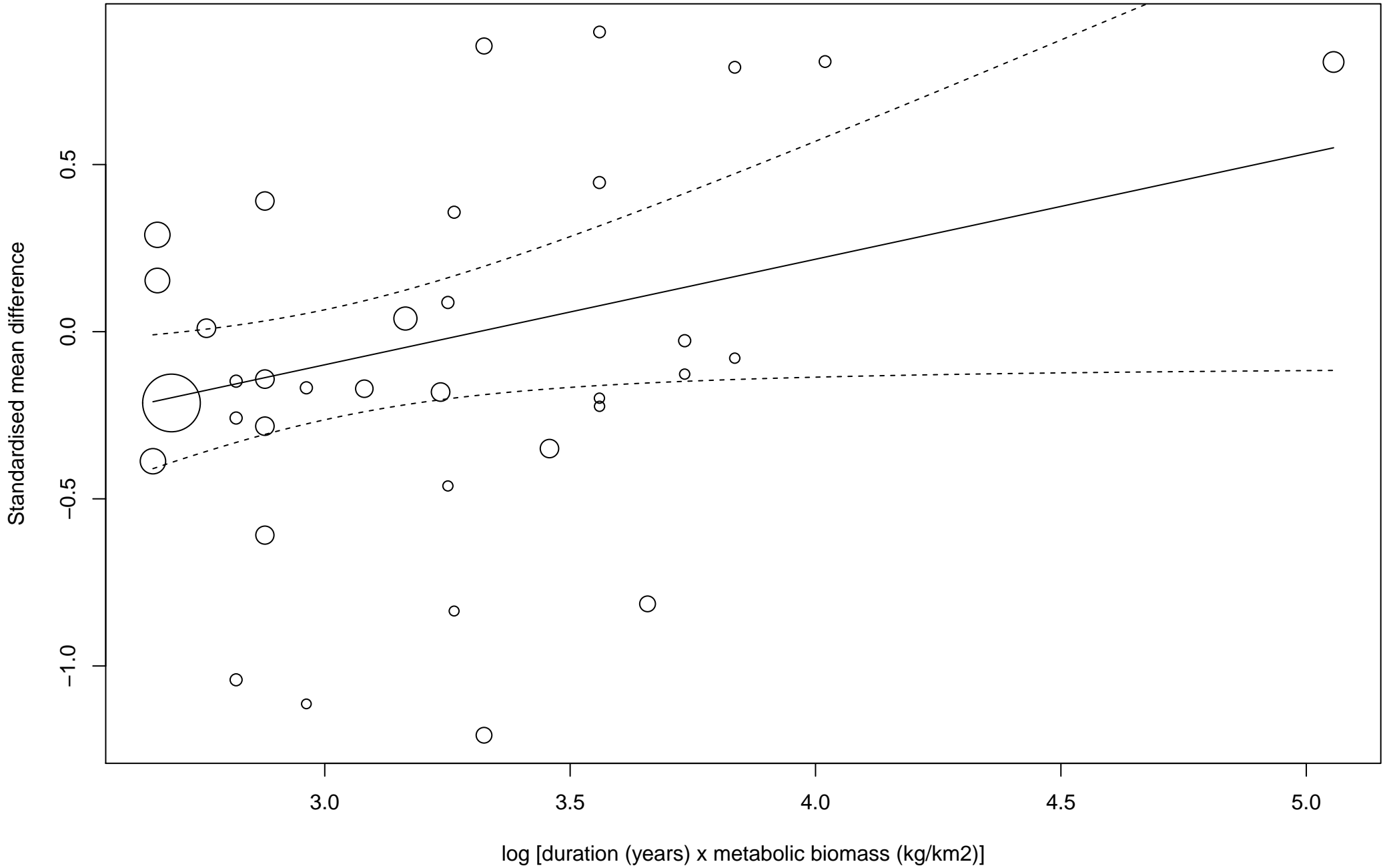
est= 0.559
se= 0.3608
P= 0.121

Graminoid abundance vs. herbivore biomass years



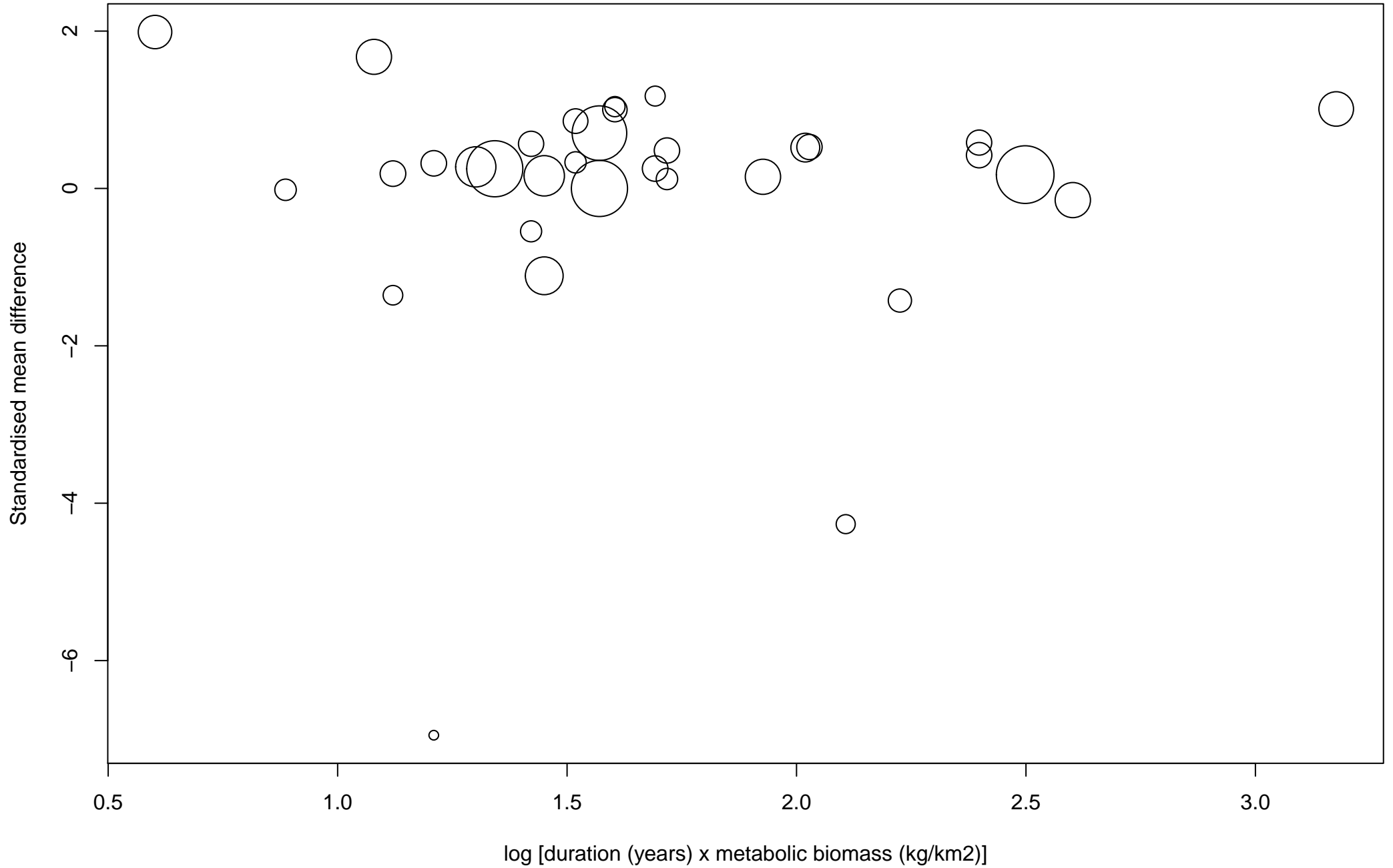
est= 0.316
se= 0.1611
P= 0.05

Forb abundance vs. herbivore biomass years



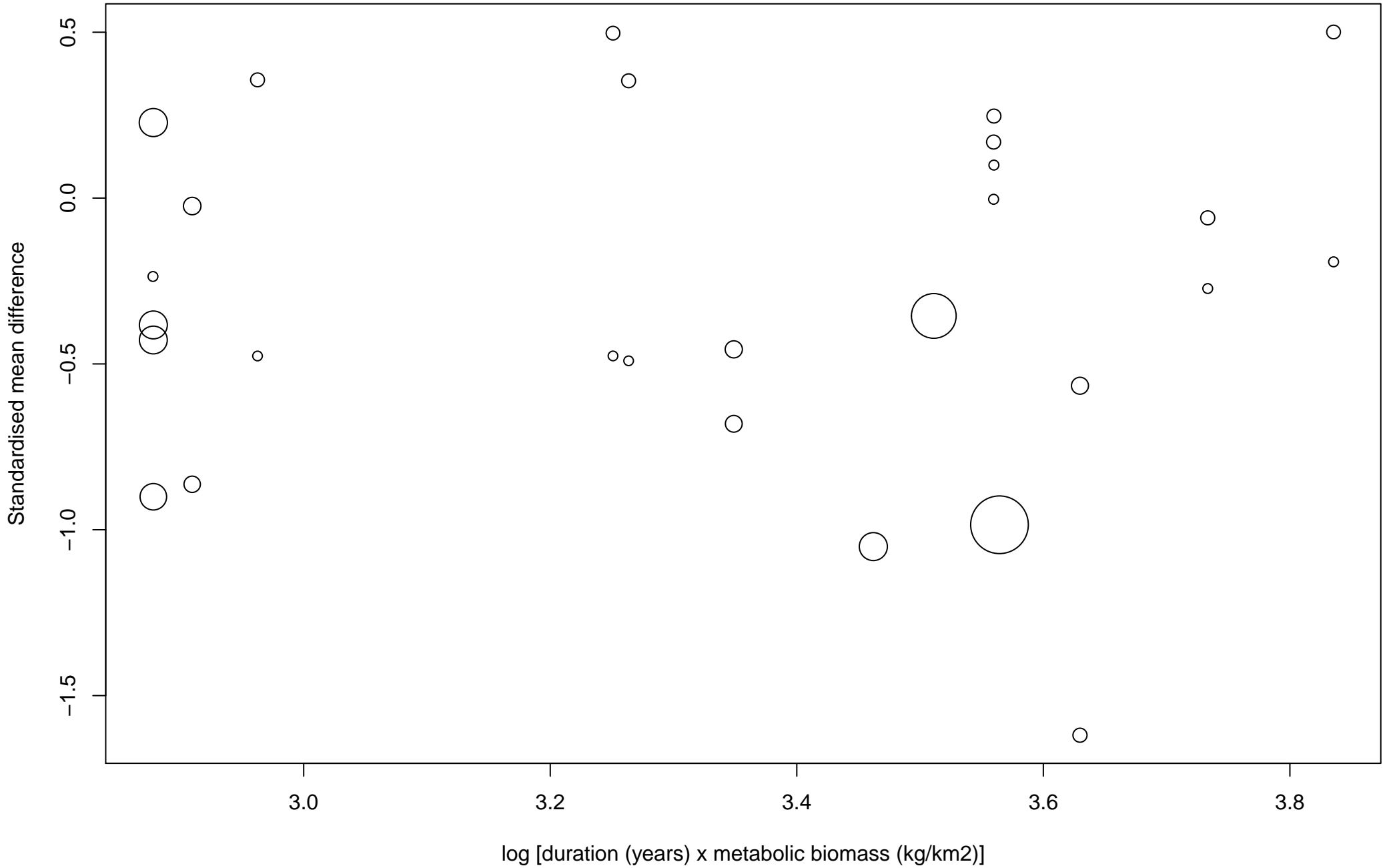
Understorey species richness vs. herbivore biomass years

est= 0.132
se= 0.2272
P= 0.563



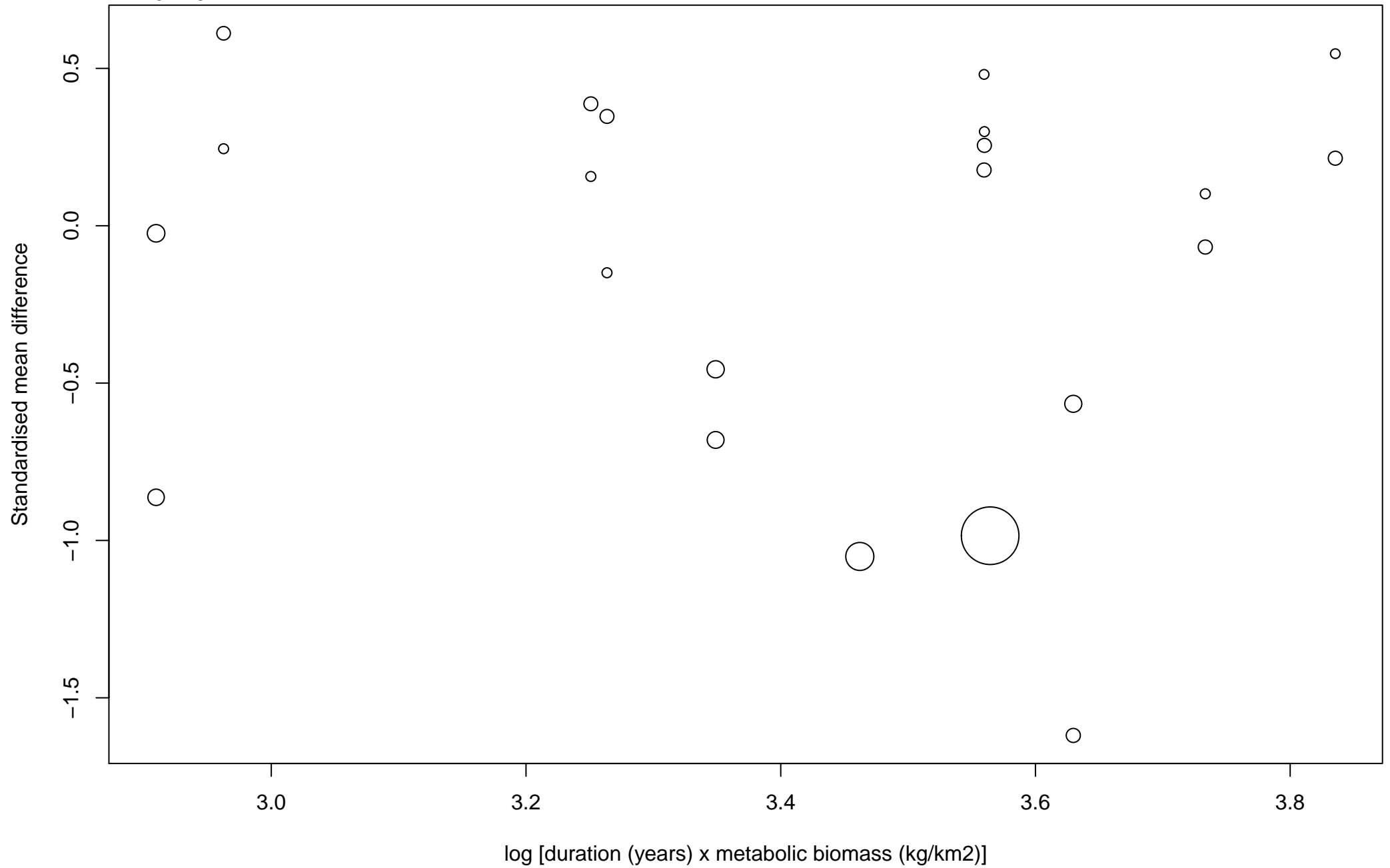
Woody understorey species richness vs. herbivore biomass years

est= -0.279
se= 0.4783
P= 0.56



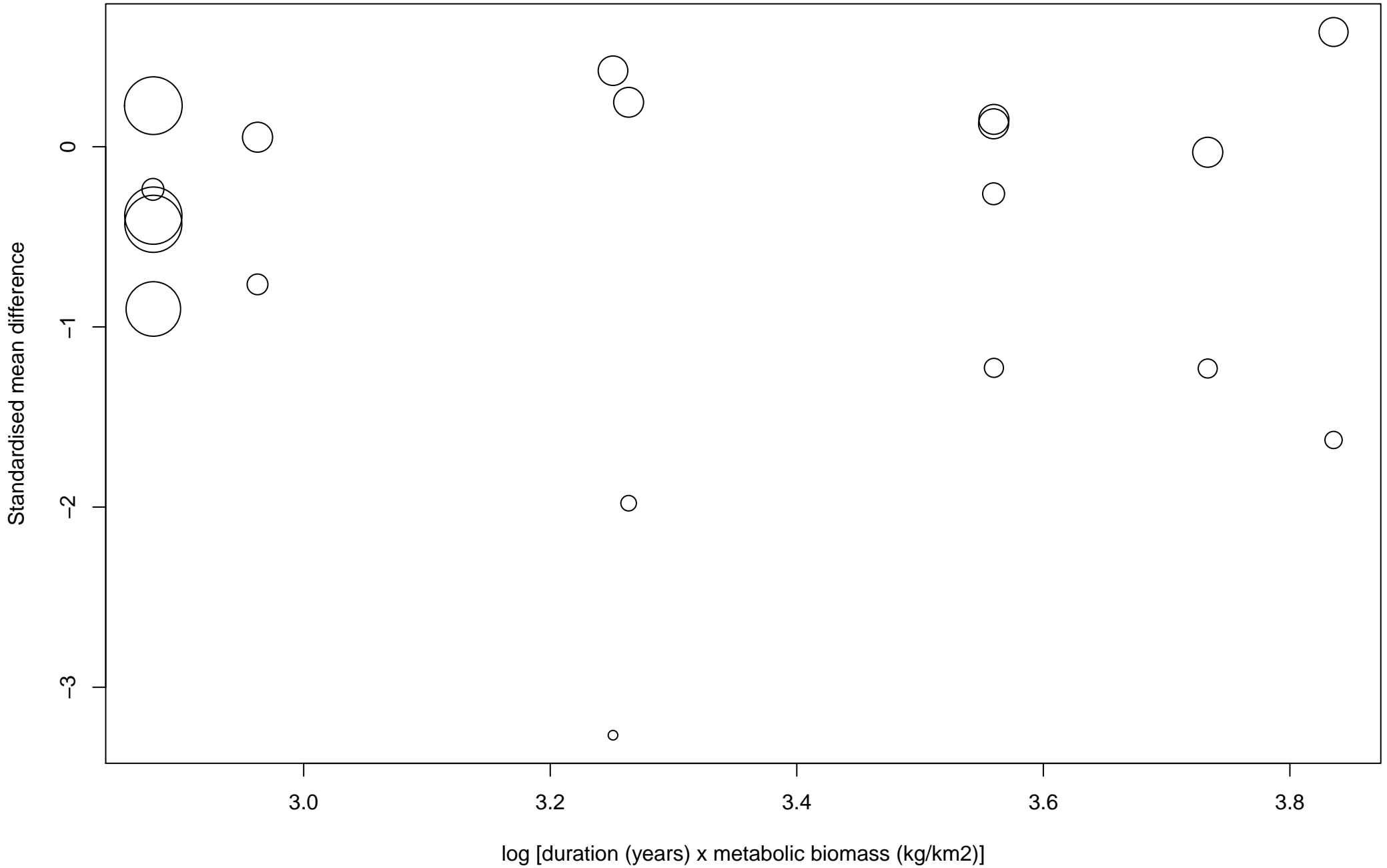
est= -0.456
se= 0.6381
P= 0.475

Tree sapling species richness vs. herbivore biomass years



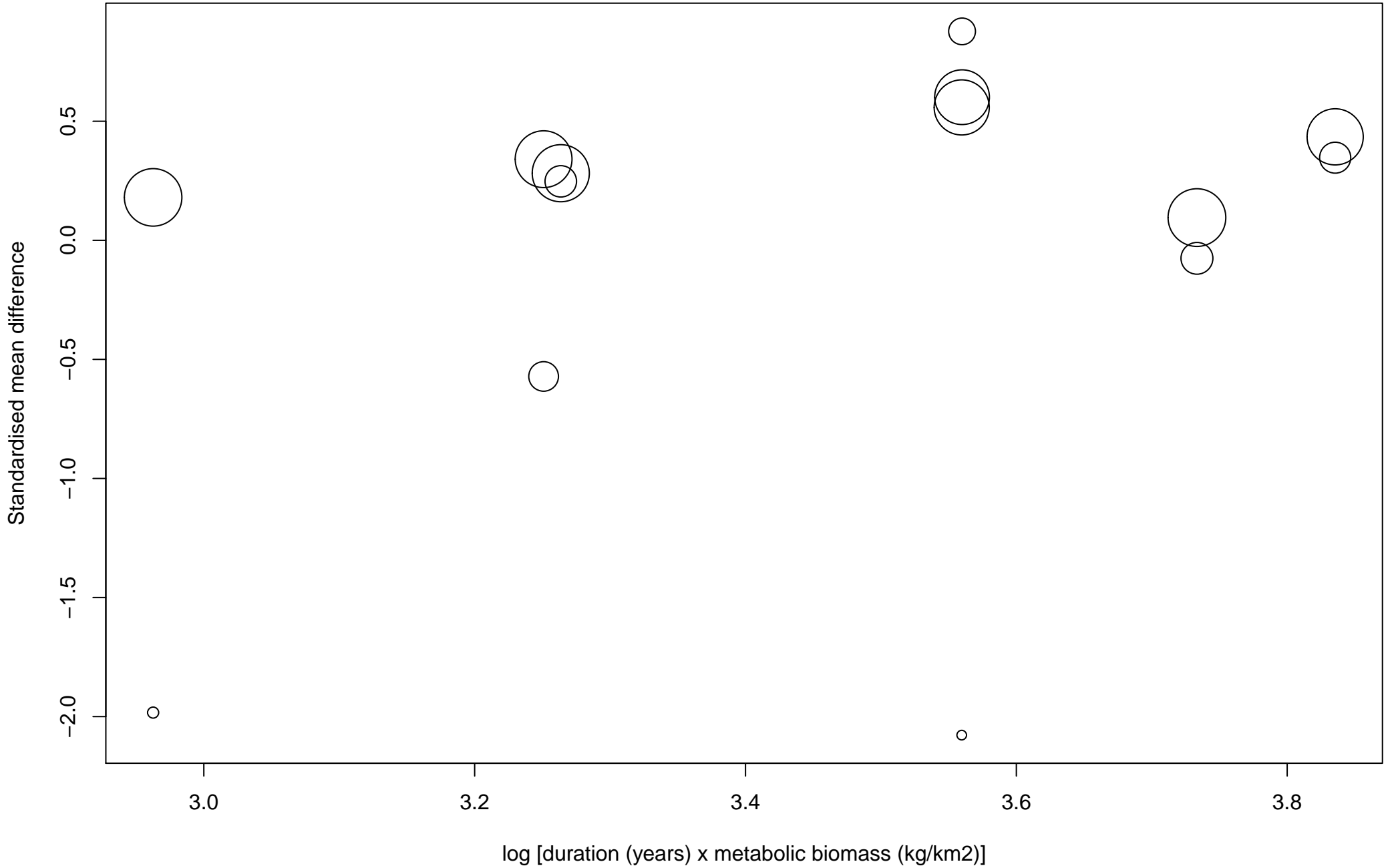
est= 0.027
se= 0.7304
P= 0.97

Shrub species richness vs. herbivore biomass years



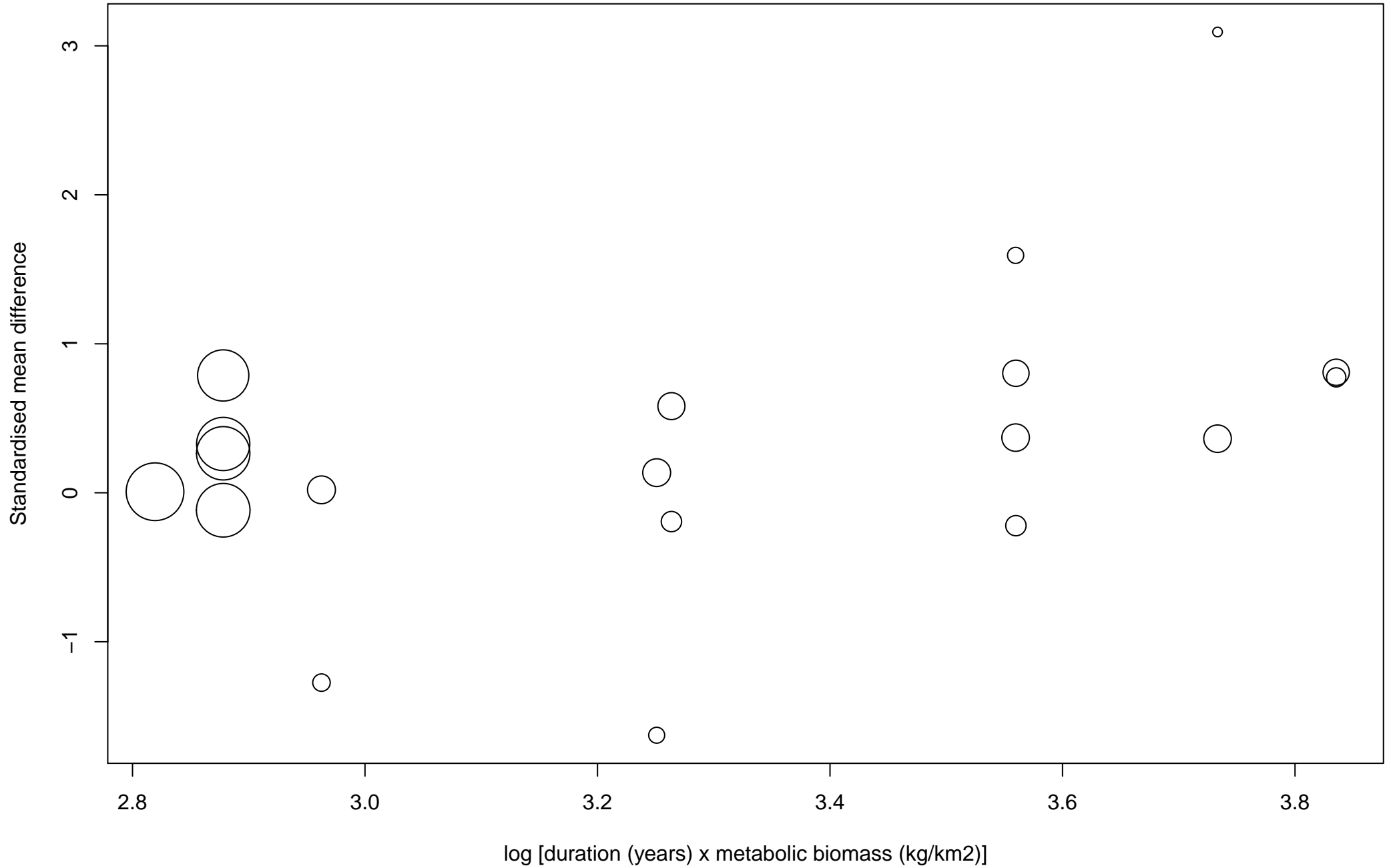
est= 0.708
se= 0.8726
P= 0.417

Graminoid species richness vs. herbivore biomass years



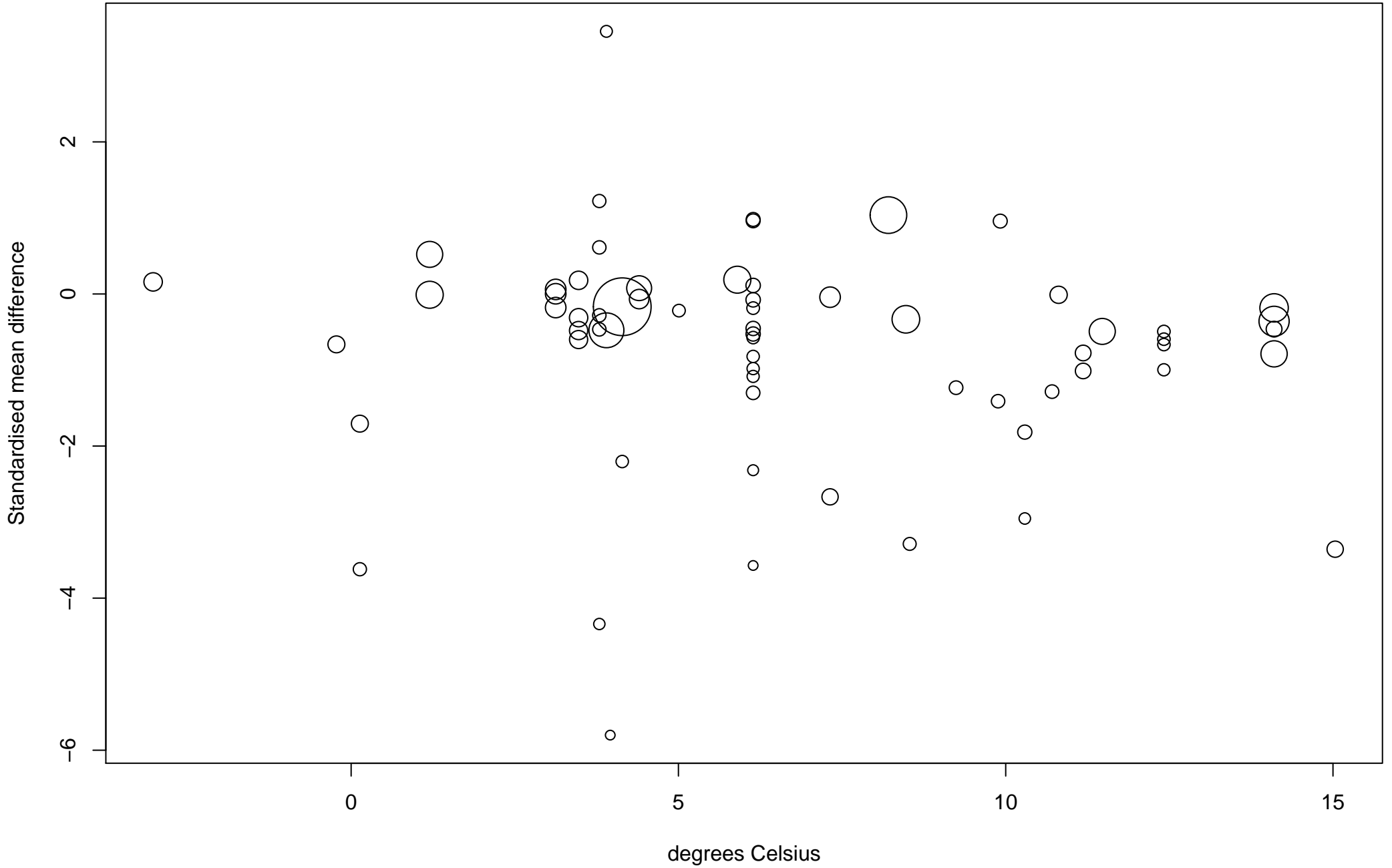
est= 0.614
se= 0.4838
P= 0.204

Forb species richness vs. herbivore biomass years



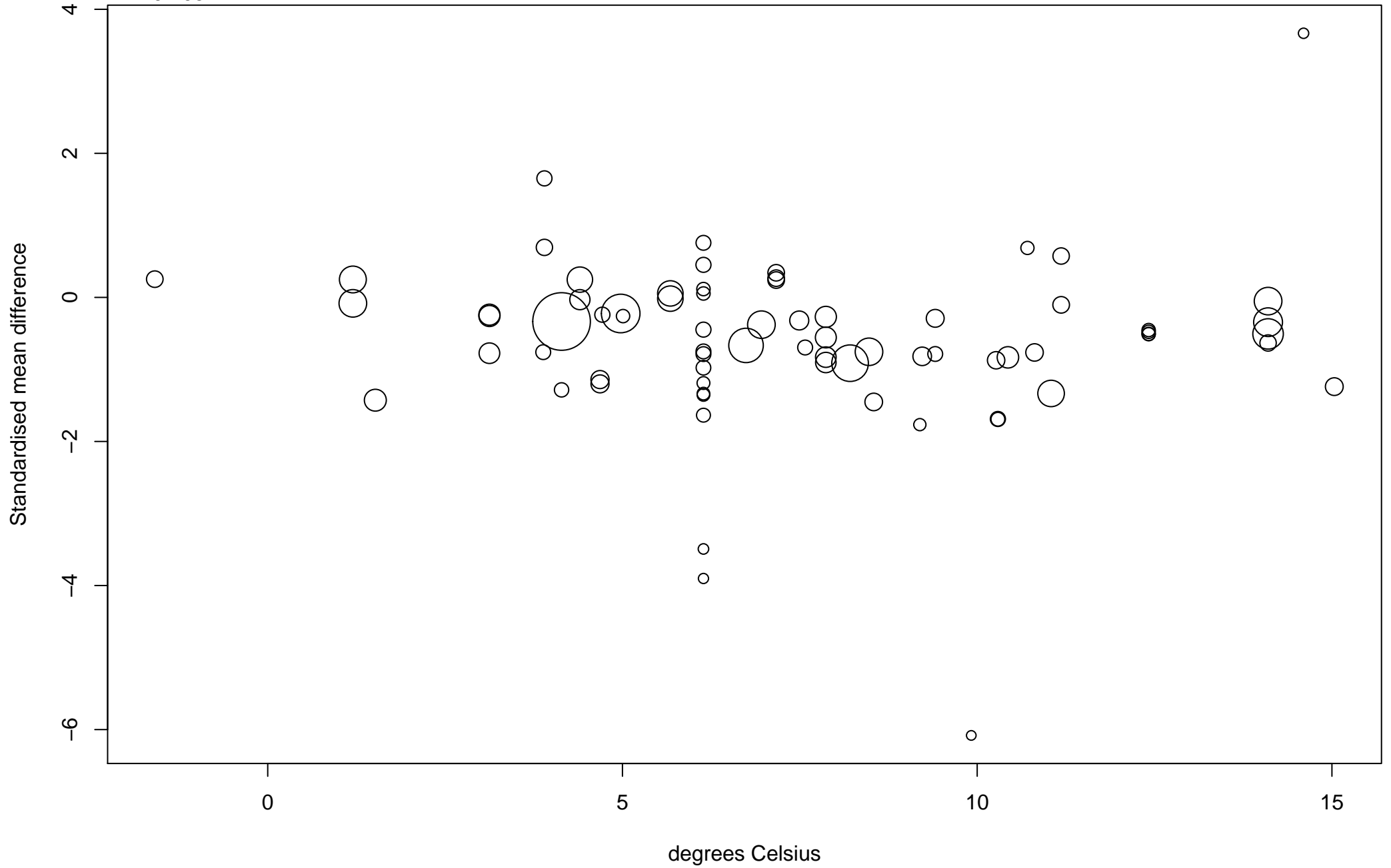
est= -0.039
se= 0.0343
P= 0.259

Understorey abundance vs. mean annual temperature



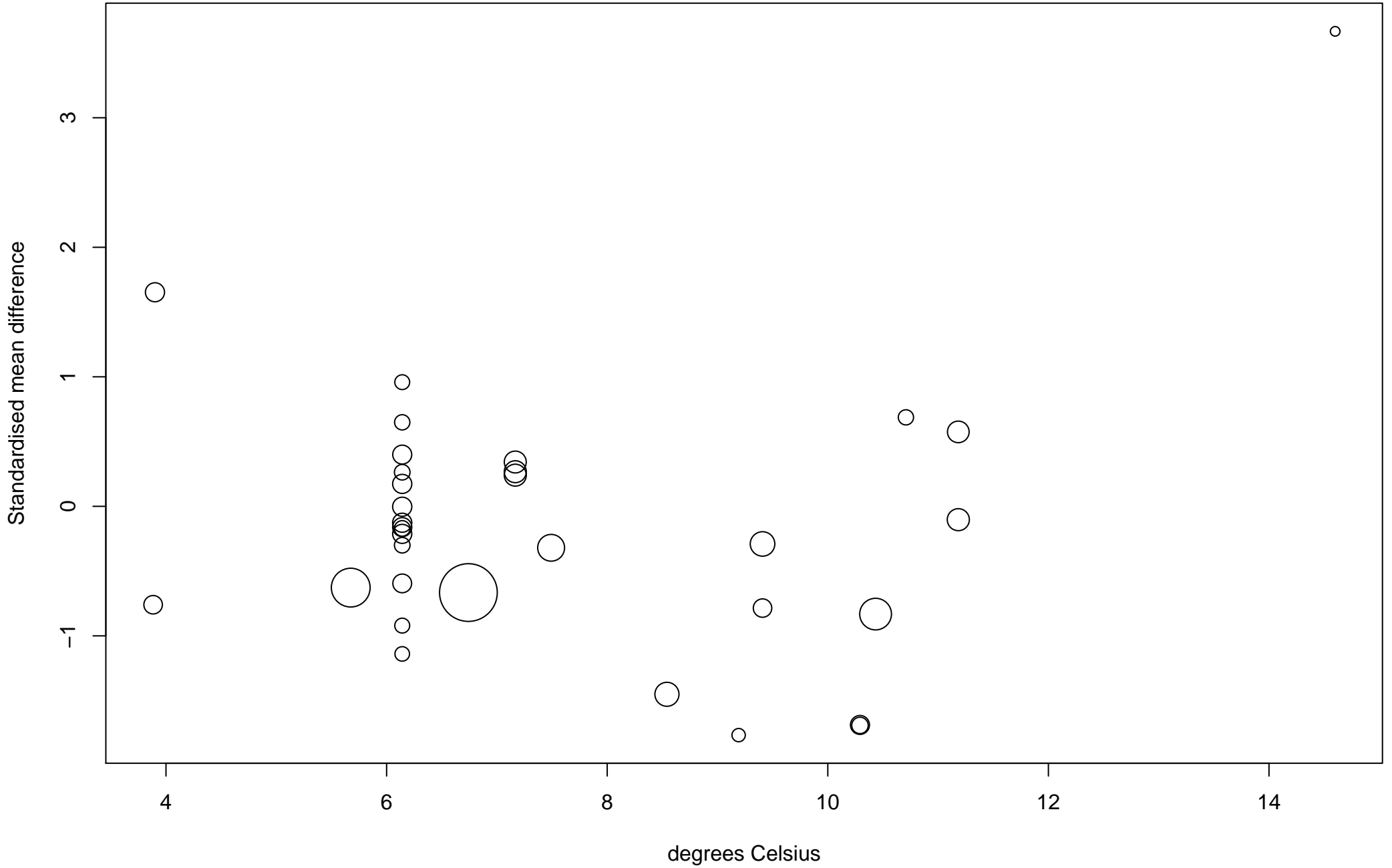
Woody understorey abundance vs. mean annual temperature

est= -0.032
se= 0.02
P= 0.105



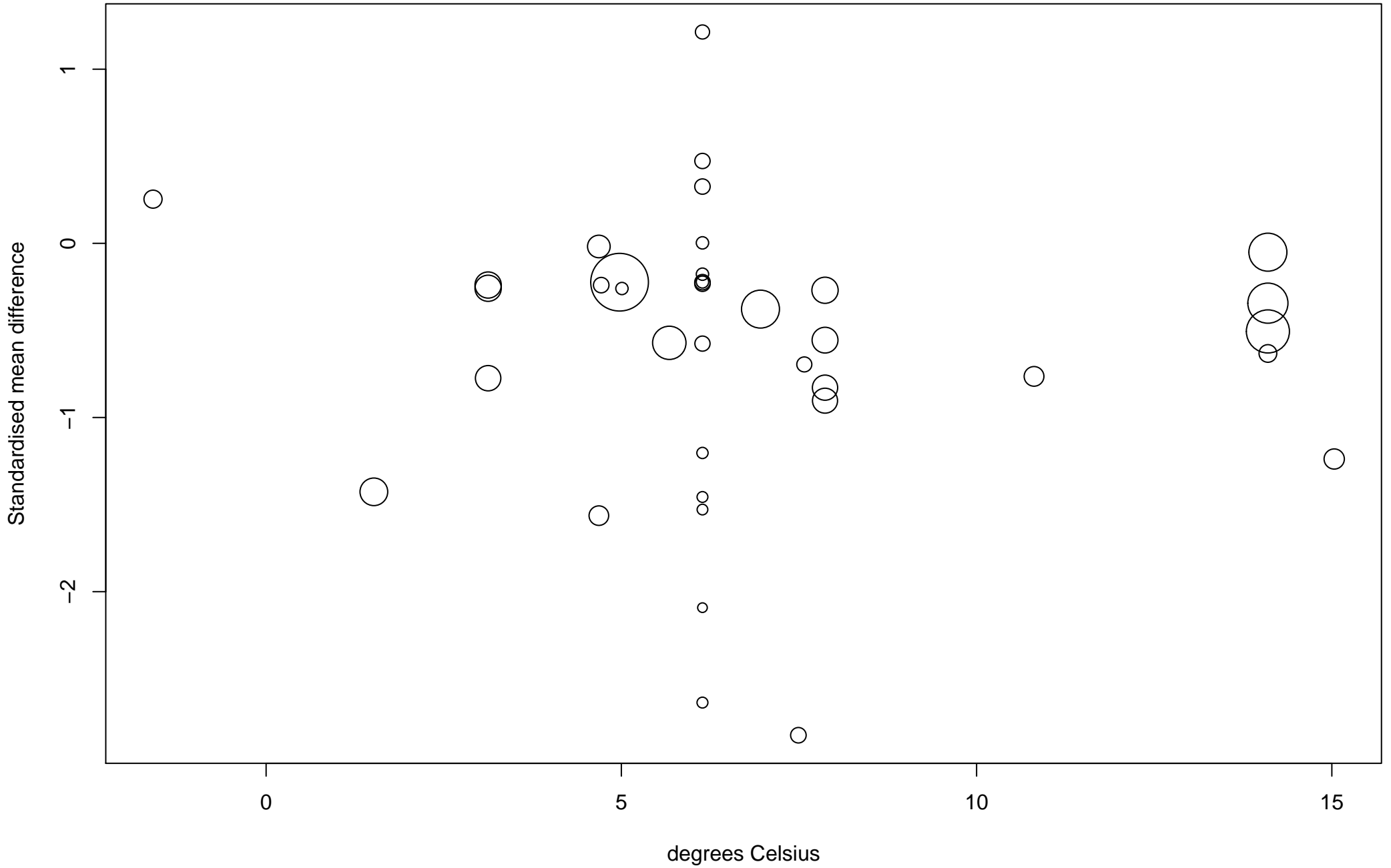
est= -0.034
se= 0.0737
P= 0.642

Tree sapling abundance vs. mean annual temperature



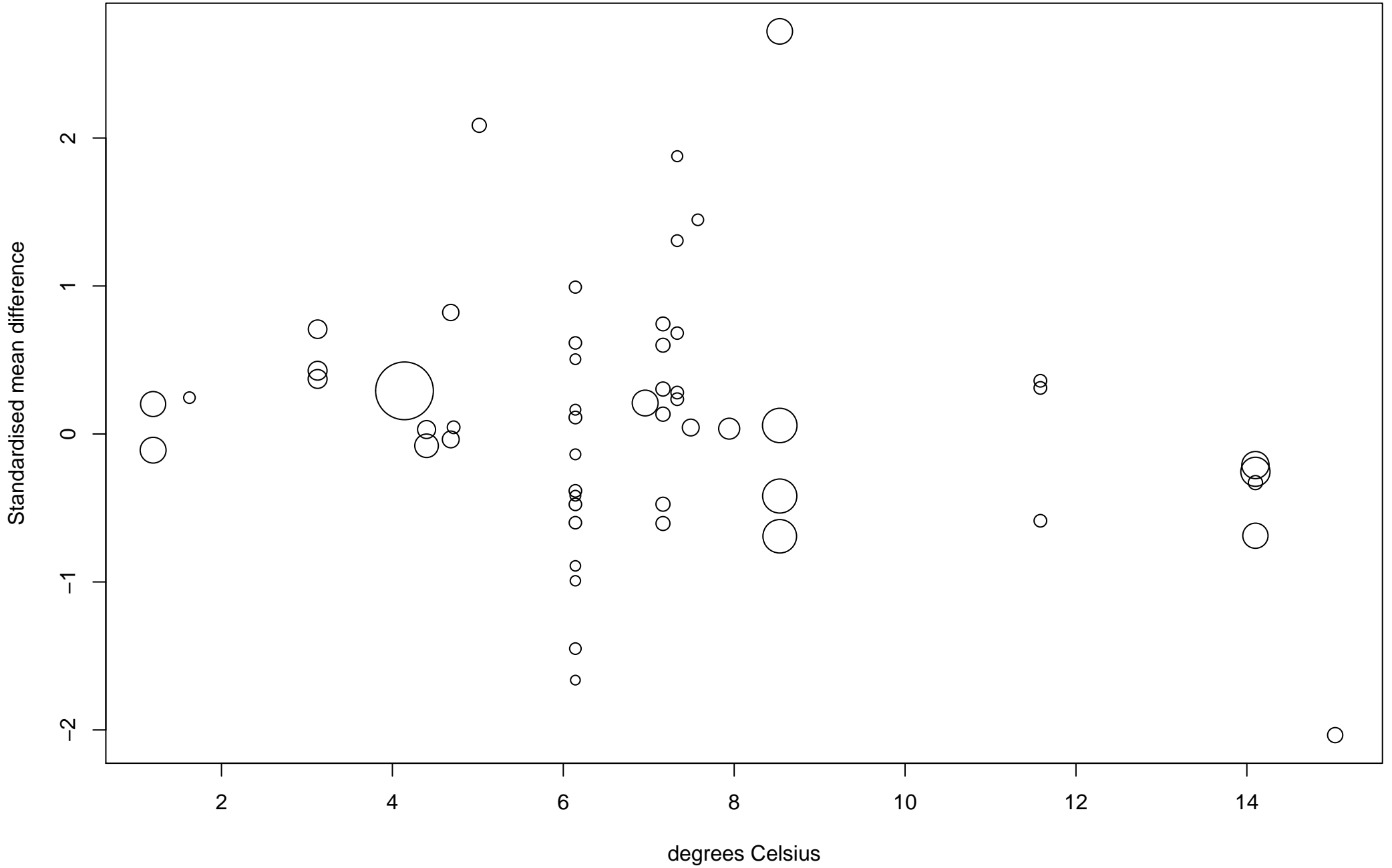
est= 0.003
se= 0.0214
P= 0.879

Shrub abundance vs. mean annual temperature



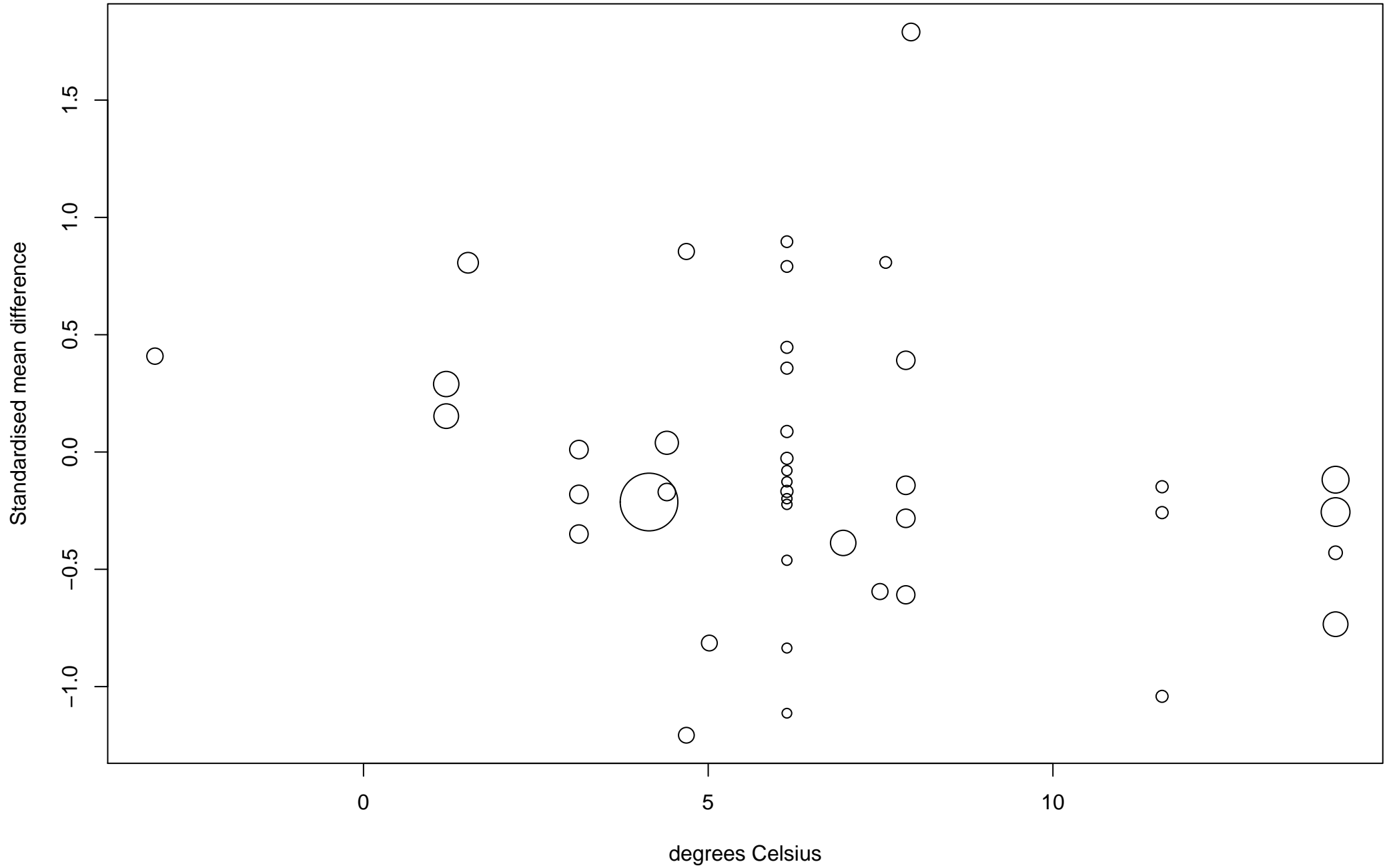
est= -0.066
se= 0.0372
P= 0.075

Graminoid abundance vs. mean annual temperature



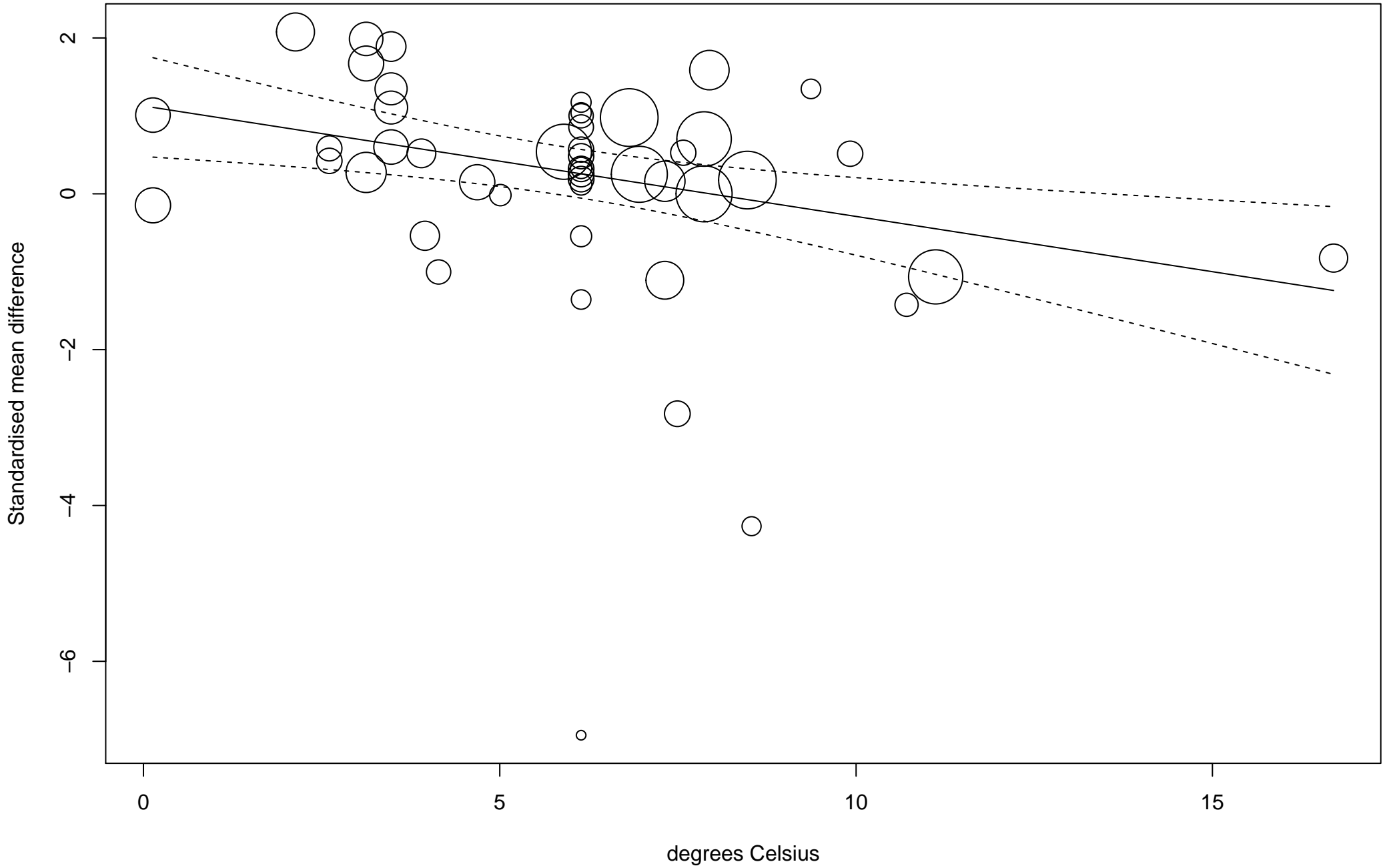
est= -0.036
se= 0.0195
P= 0.063

Forb abundance vs. mean annual temperature



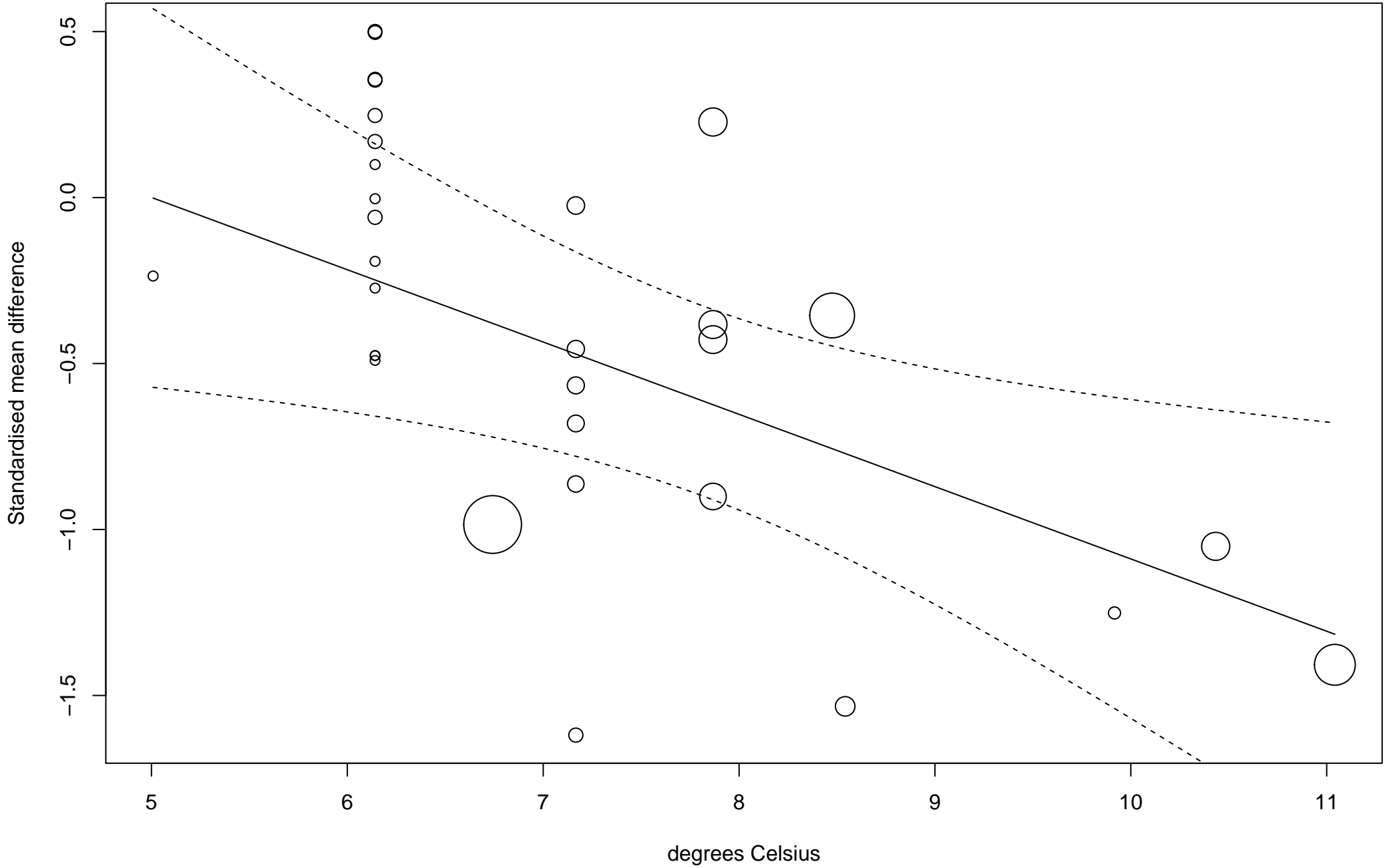
Understorey species richness vs. mean annual temperature

est= -0.142
se= 0.0489
P= 0.004



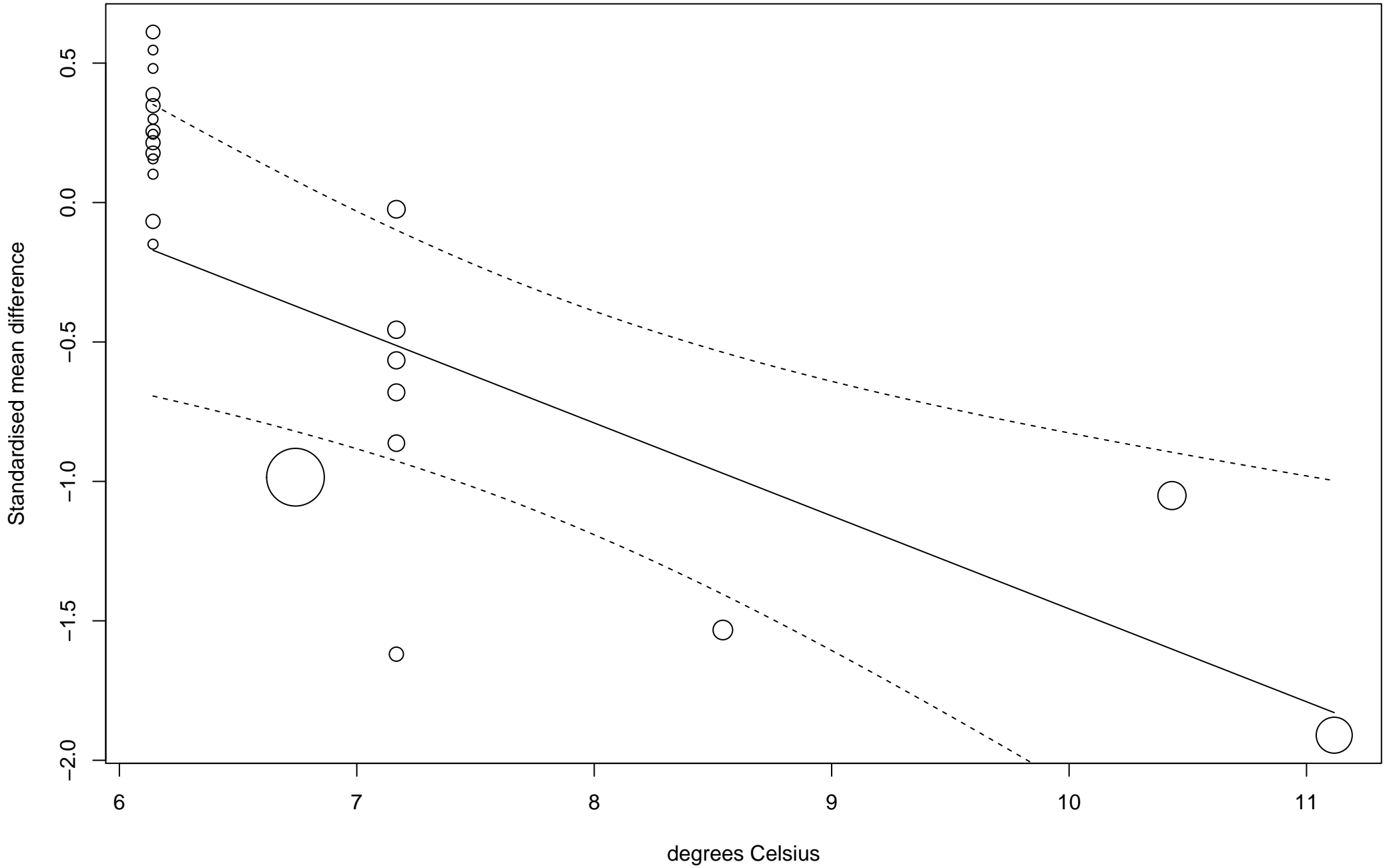
Woody understorey species richness vs. mean annual temperature

est= -0.218
se= 0.0898
P= 0.015



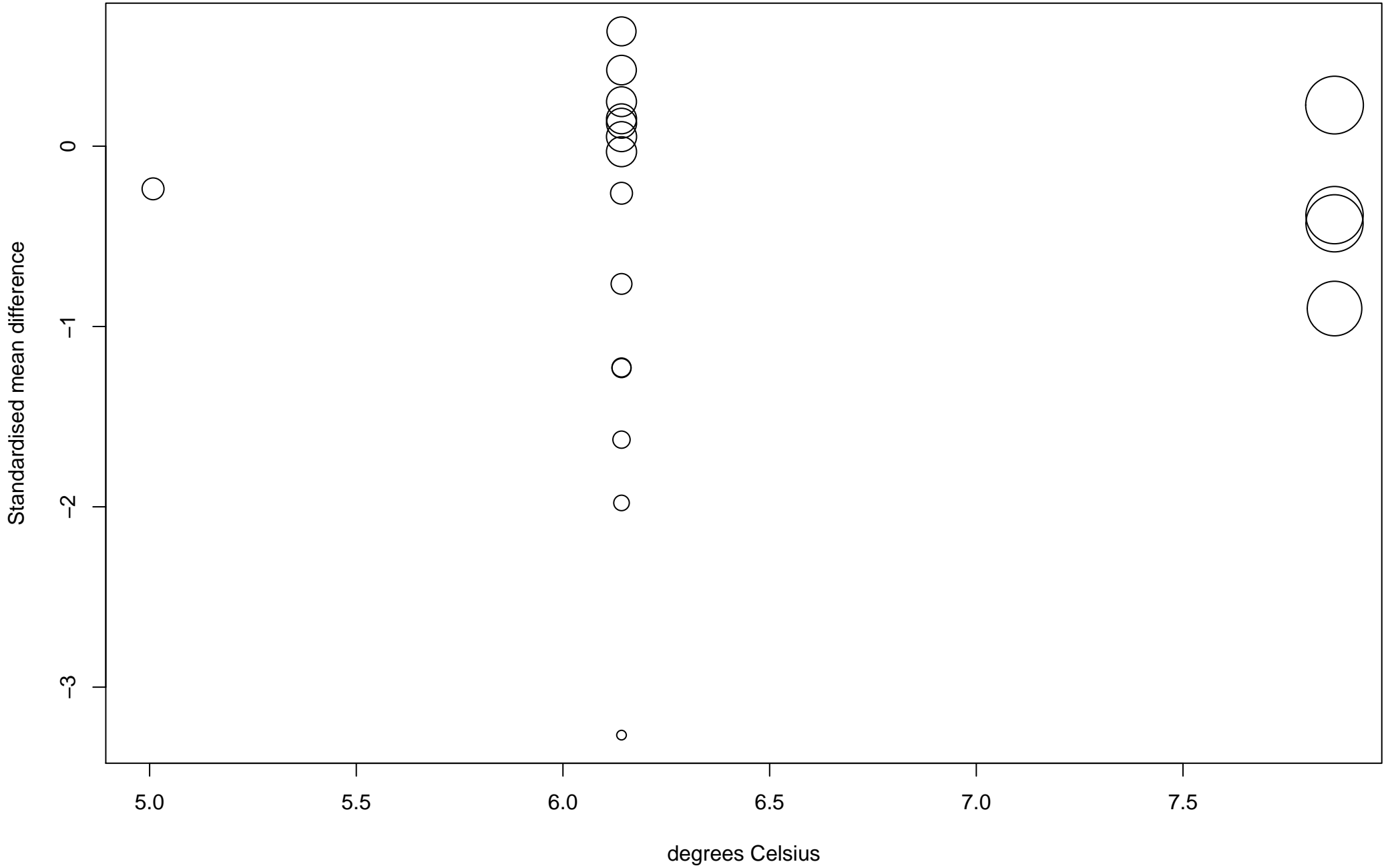
Tree sapling species richness vs. mean annual temperature

est= -0.333
se= 0.1099
P= 0.002



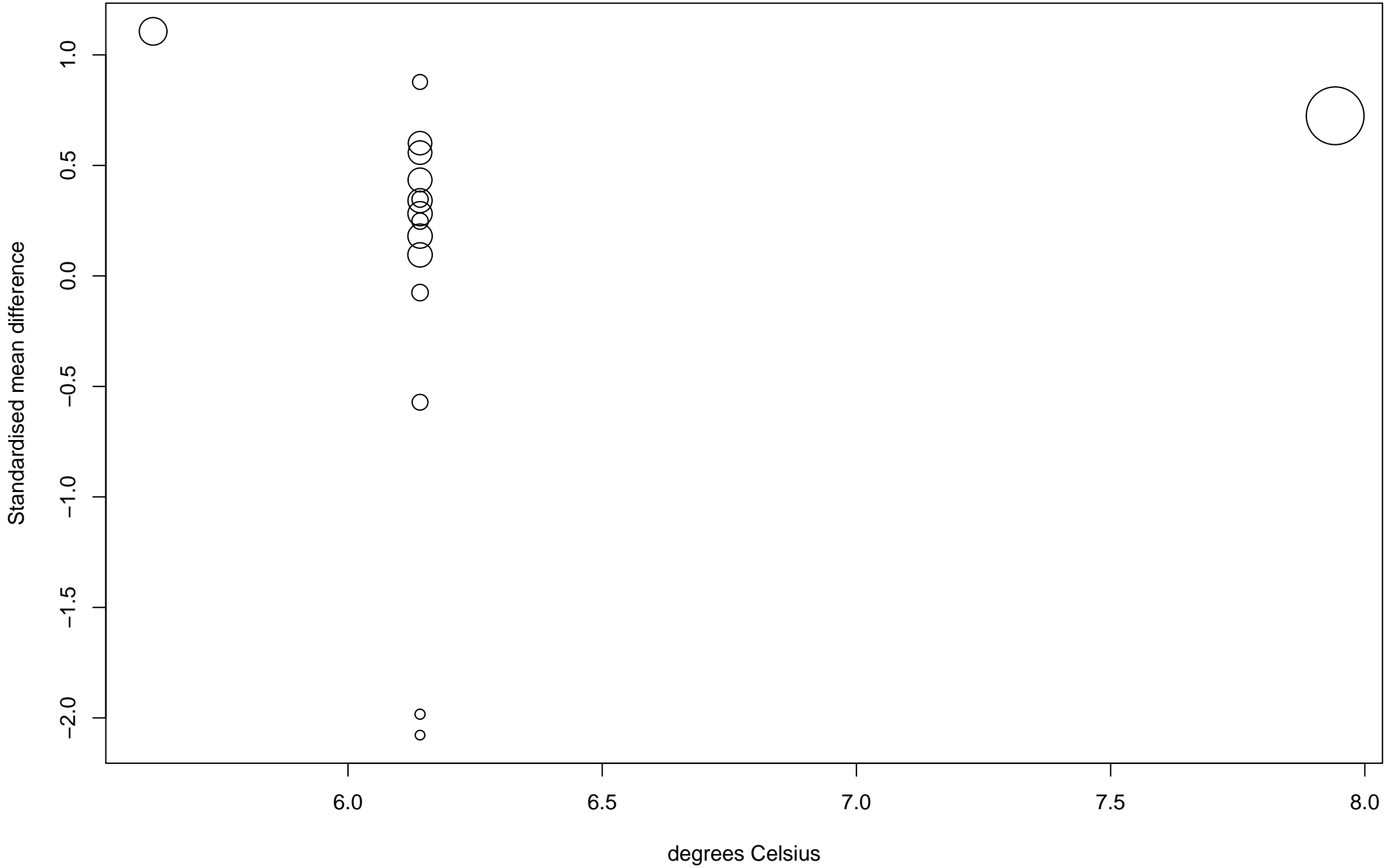
est= 0.005
se= 0.4498
P= 0.992

Shrub species richness vs. mean annual temperature



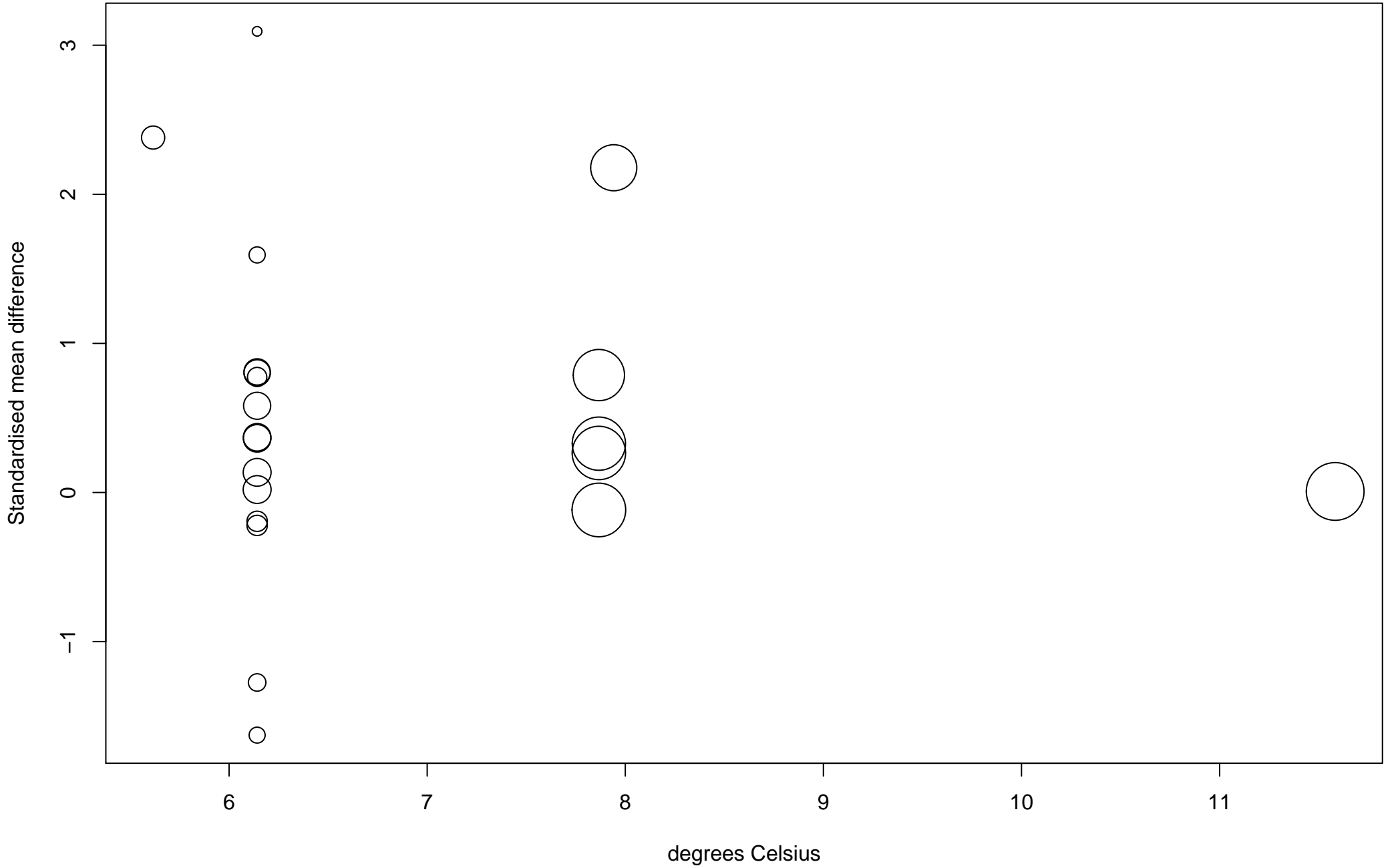
Graminoid species richness vs. mean annual temperature

est= 0.173
se= 0.3548
P= 0.625



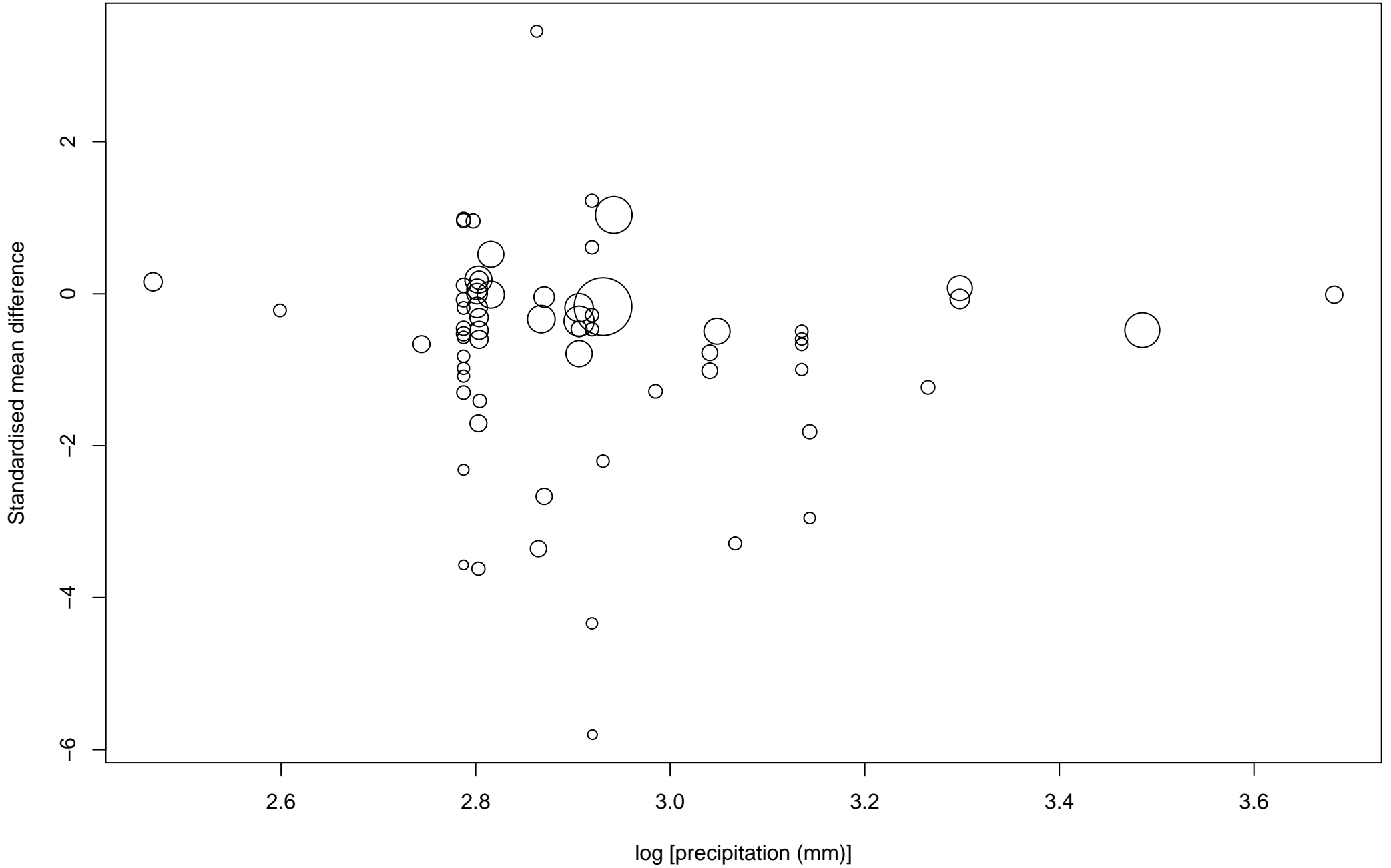
est= -0.135
se= 0.2078
P= 0.515

Forb species richness vs. mean annual temperature



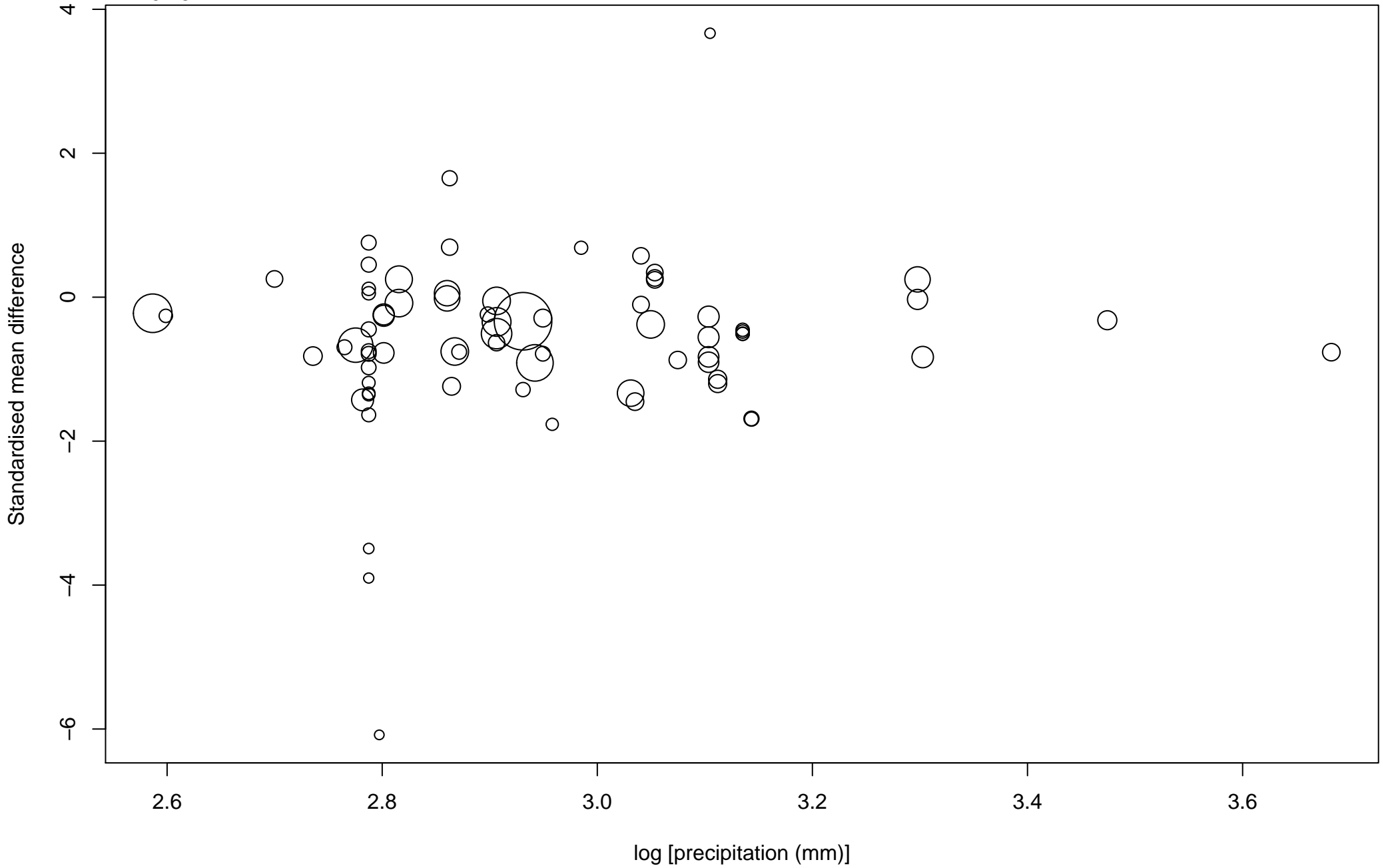
est= -0.297
se= 0.7351
P= 0.686

Understorey abundance vs. mean annual precipitation



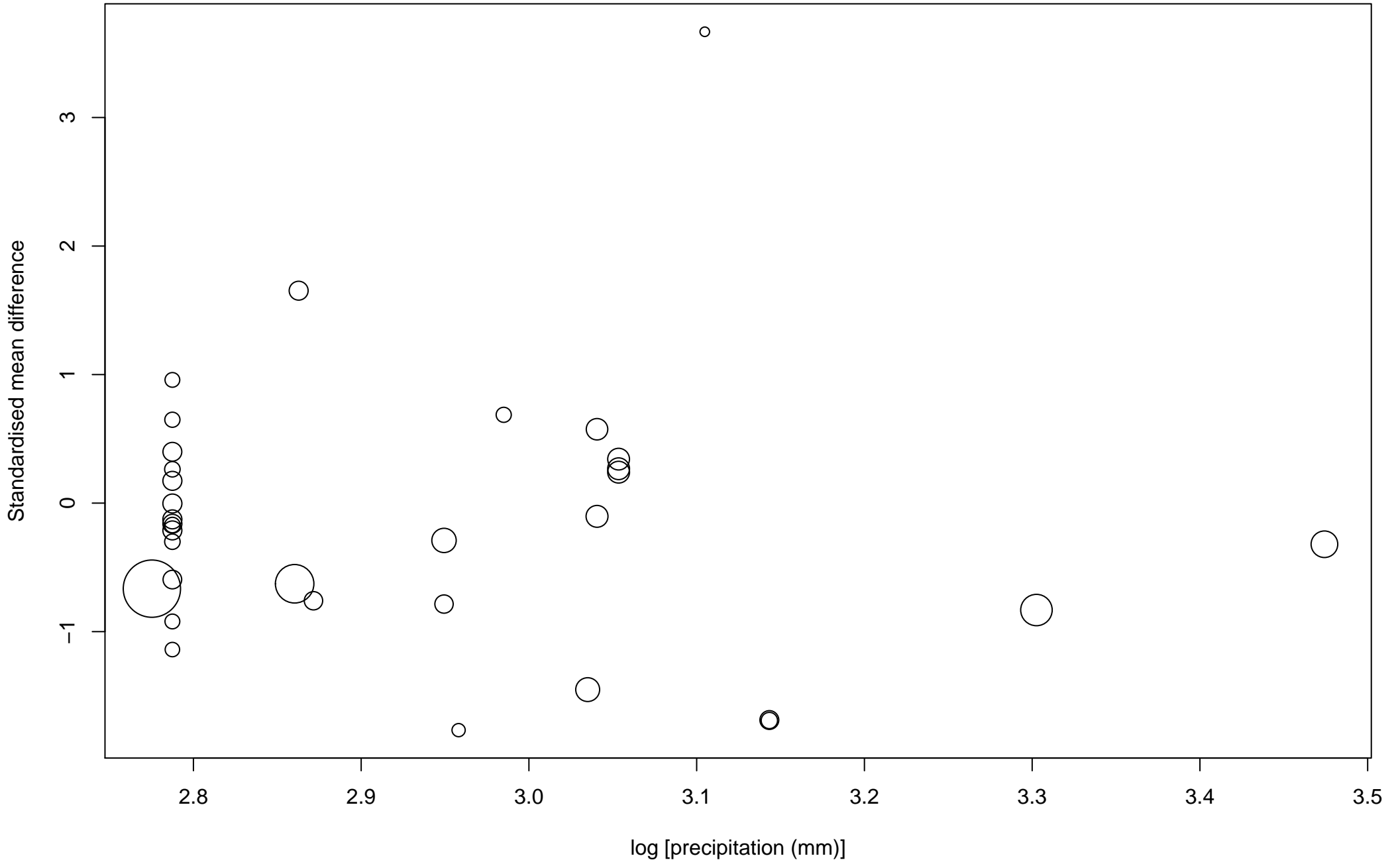
Woody understorey abundance vs. mean annual precipitation

est= -0.131
se= 0.4114
P= 0.751



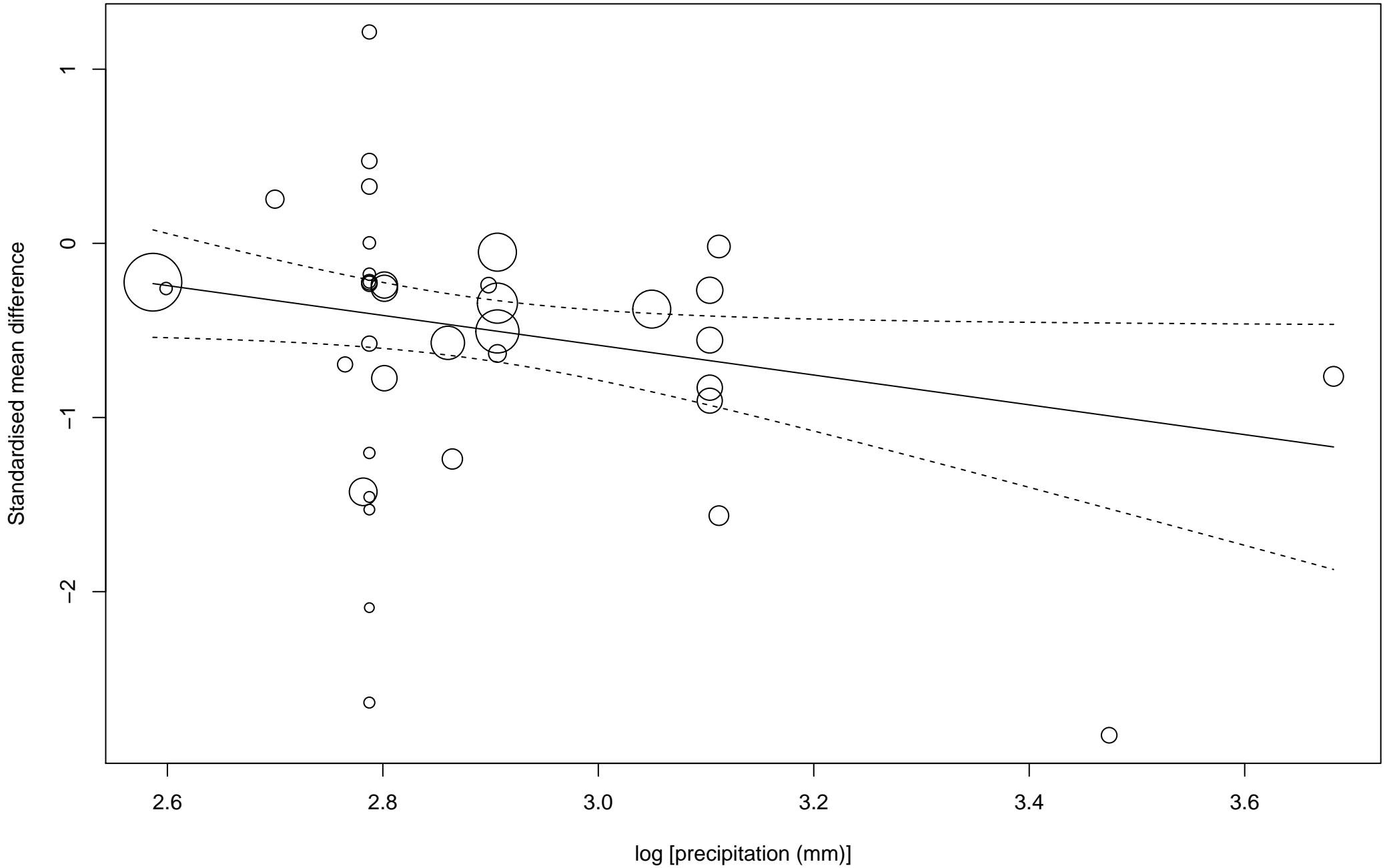
est= -0.509
se= 0.8334
P= 0.542

Tree sapling abundance vs. mean annual precipitation



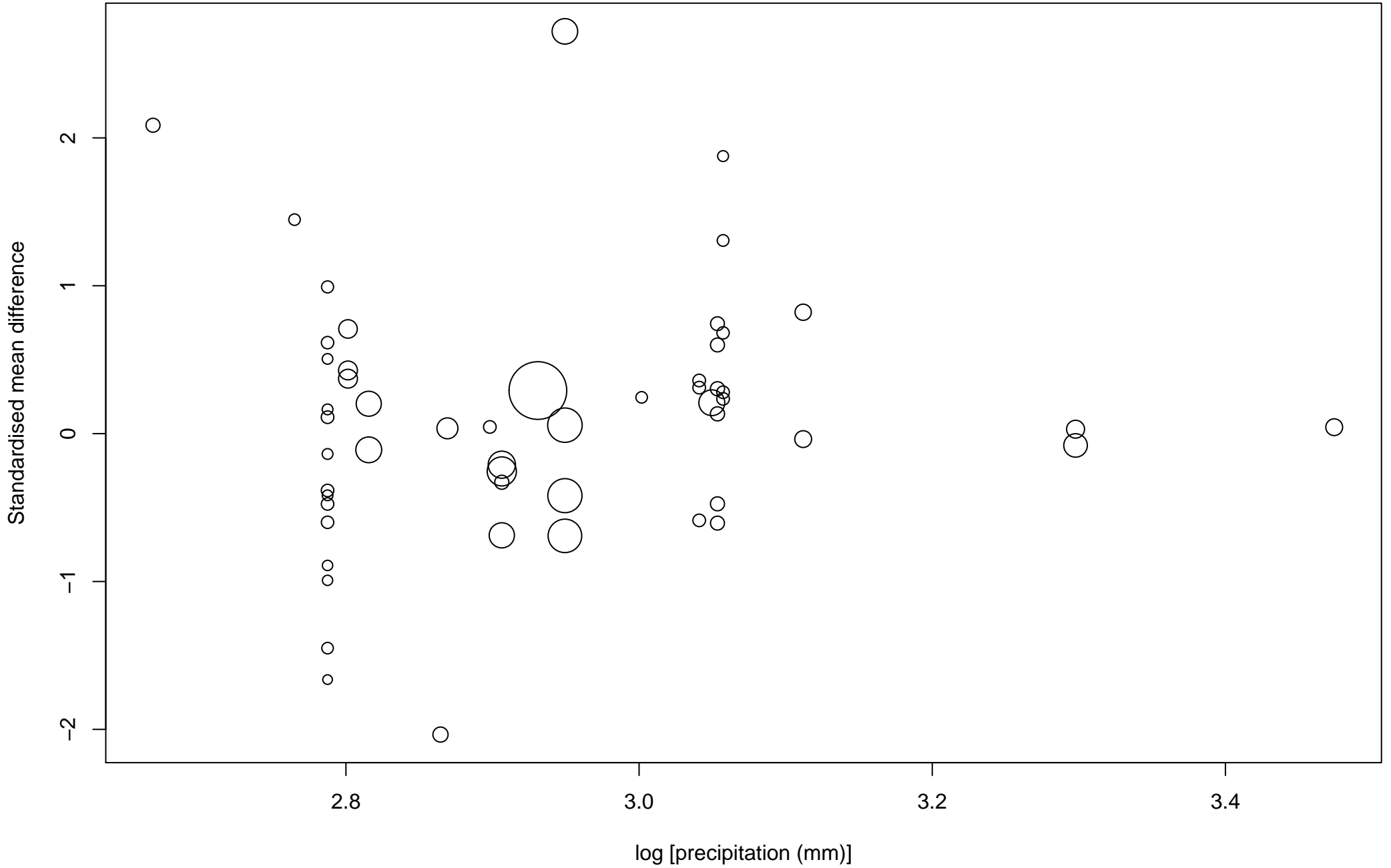
est= -0.856
se= 0.4356
P= 0.049

Shrub abundance vs. mean annual precipitation



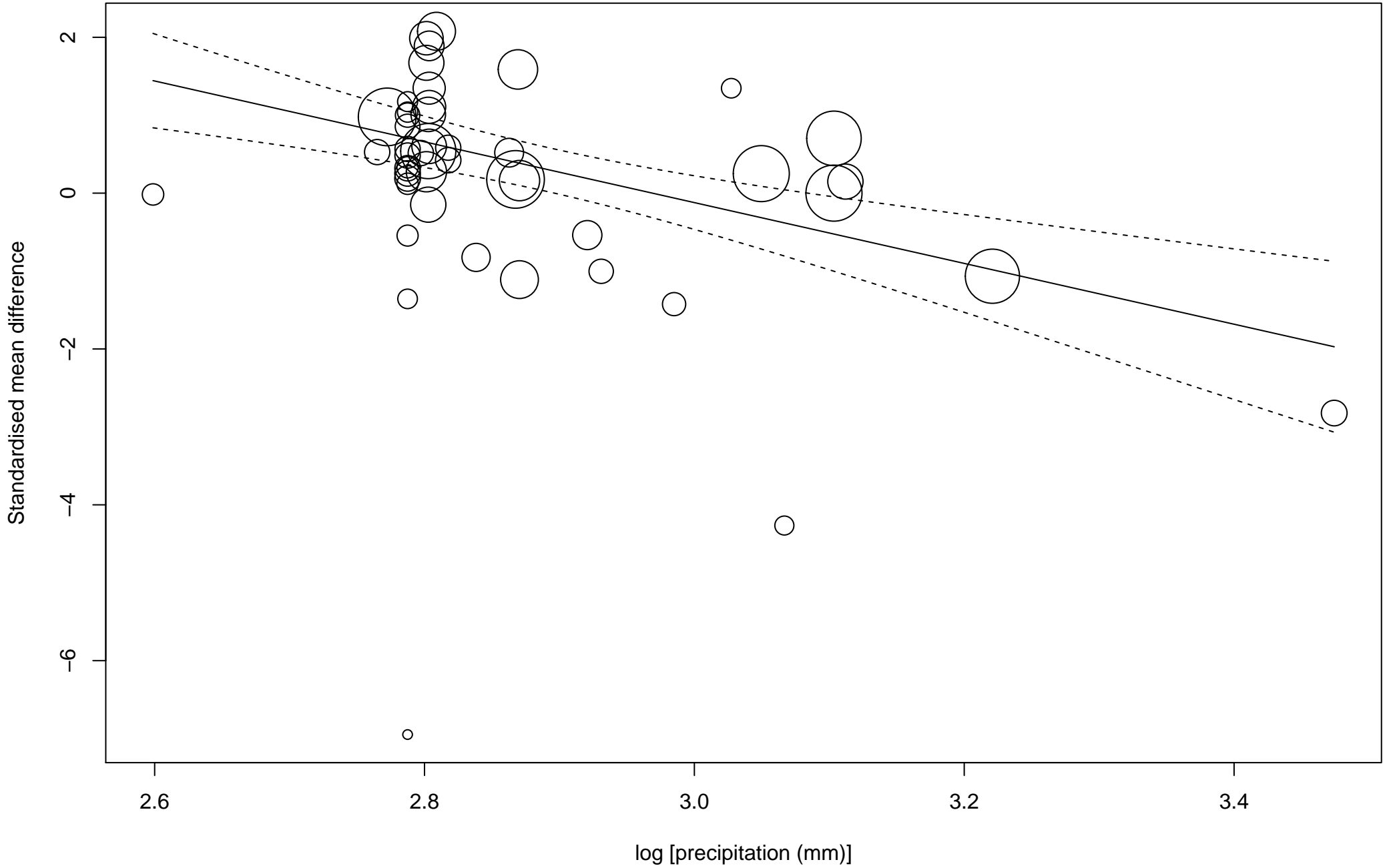
est= -0.079
se= 0.9185
P= 0.931

Graminoid abundance vs. mean annual precipitation



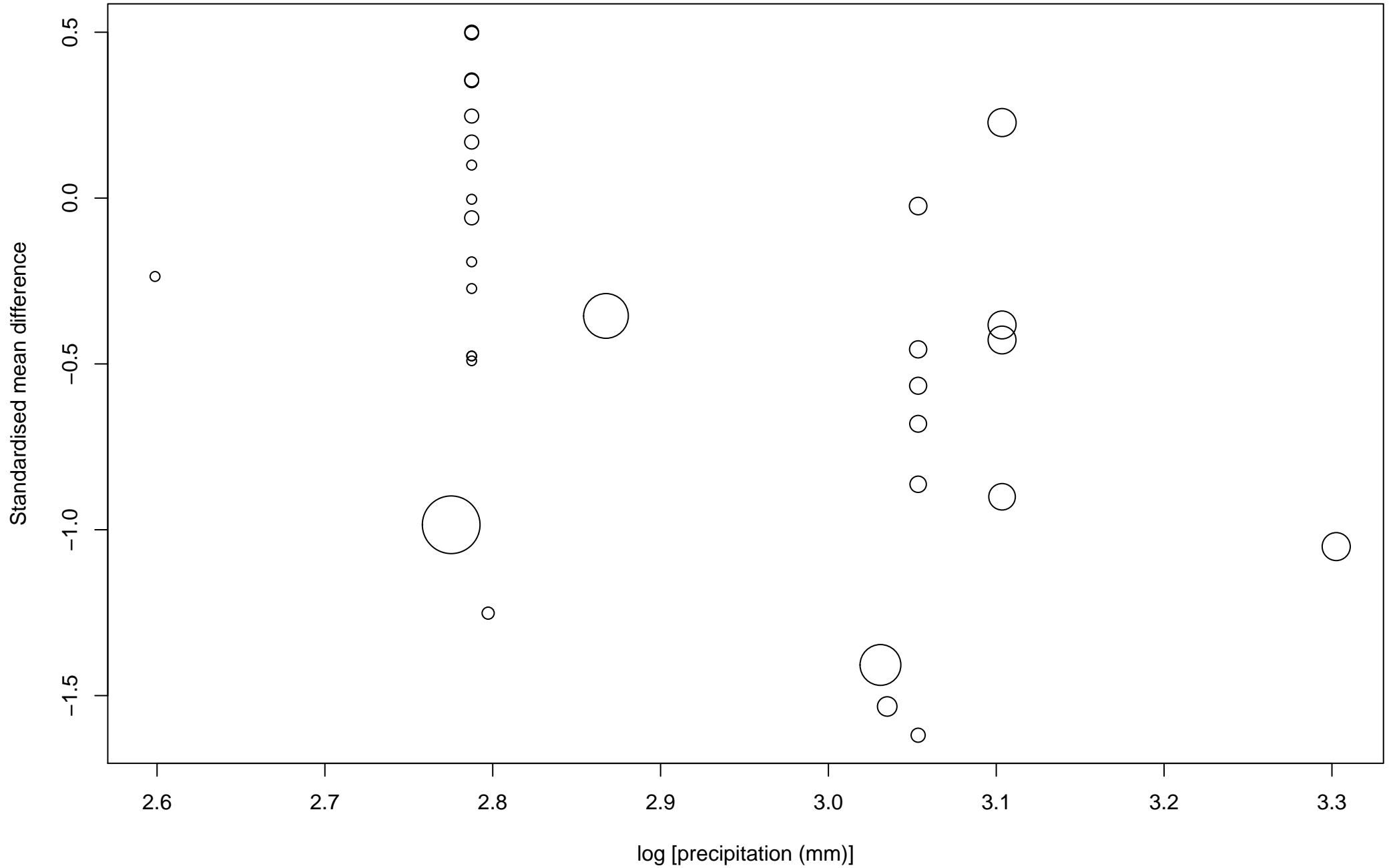
est= -3.902
se= 0.9293
P= 0

Understorey species richness vs. mean annual precipitation



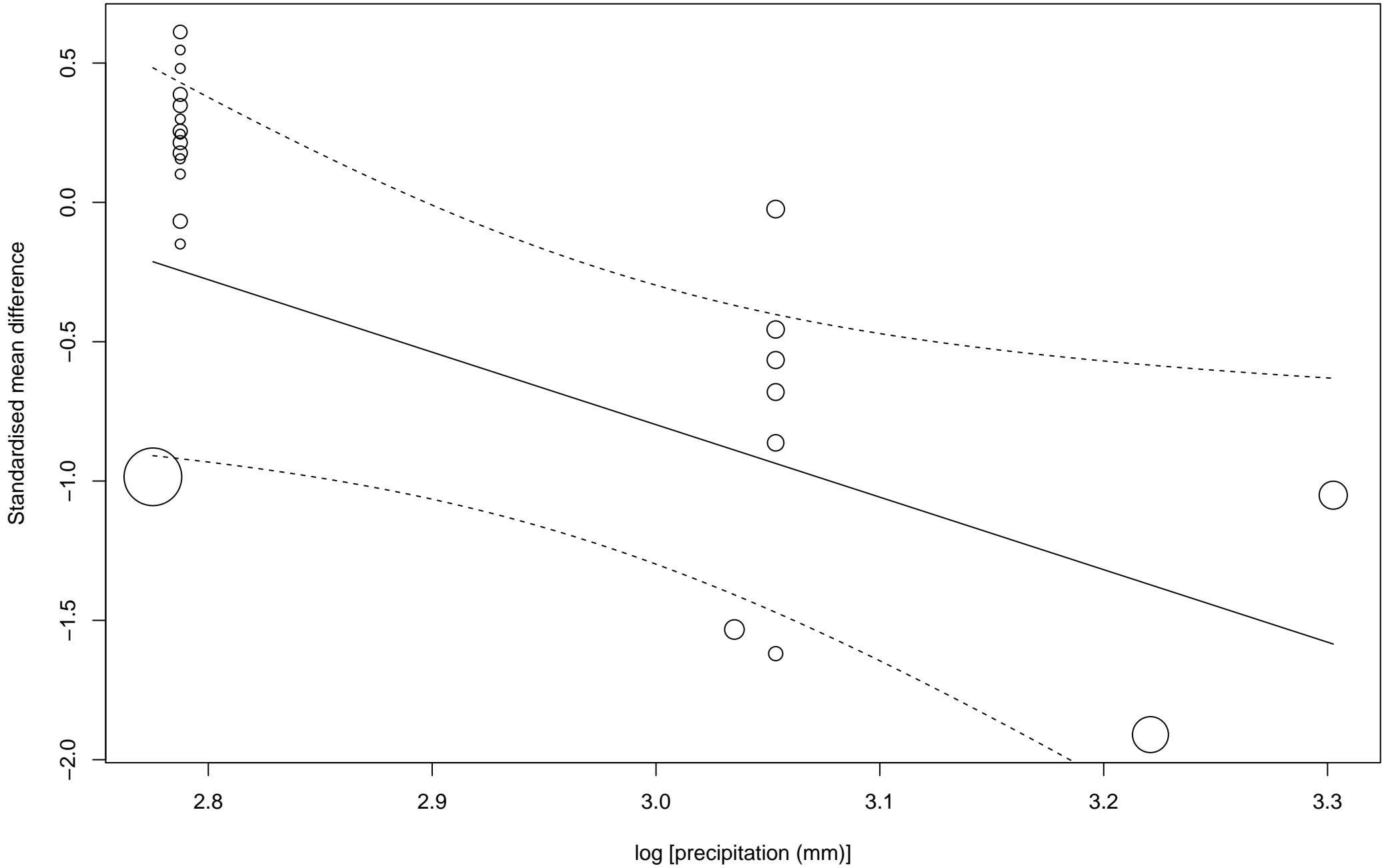
est= -1.208
se= 1.0288
P= 0.24

Woody understorey species richness vs. mean annual precipitation



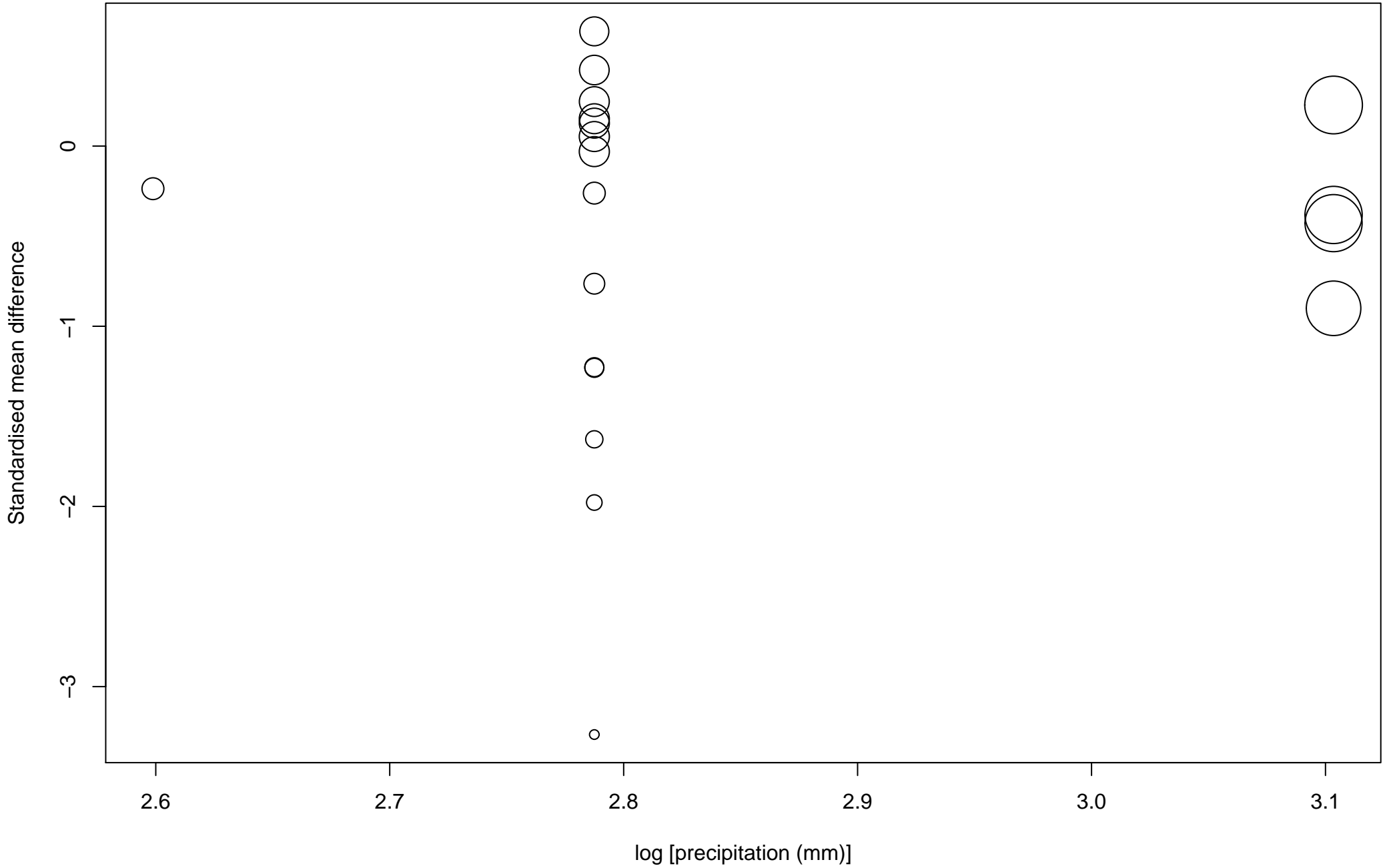
Tree sapling species richness vs. mean annual precipitation

est= -2.602
se= 1.2605
P= 0.039



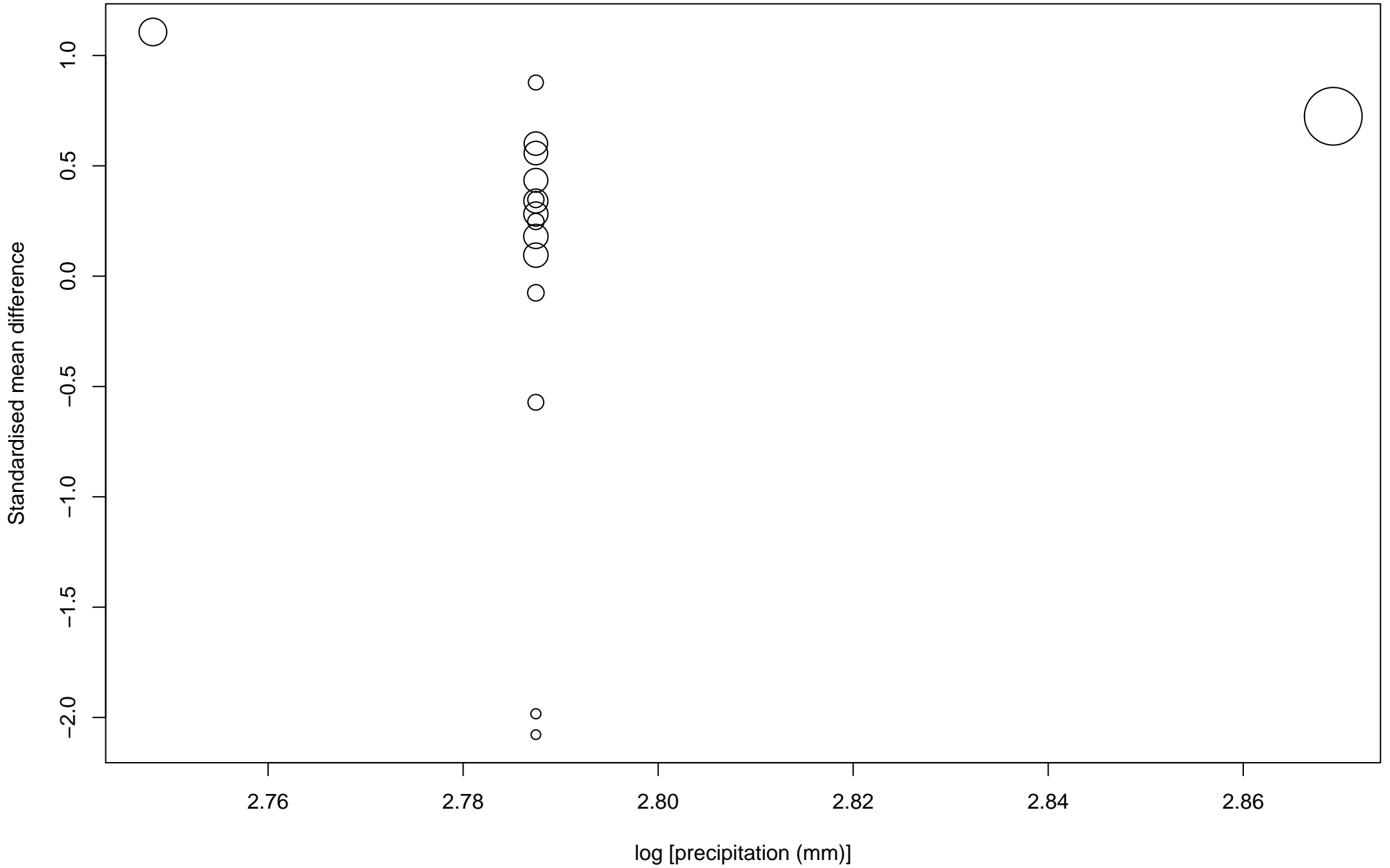
est= 0.039
se= 2.5159
P= 0.988

Shrub species richness vs. mean annual precipitation



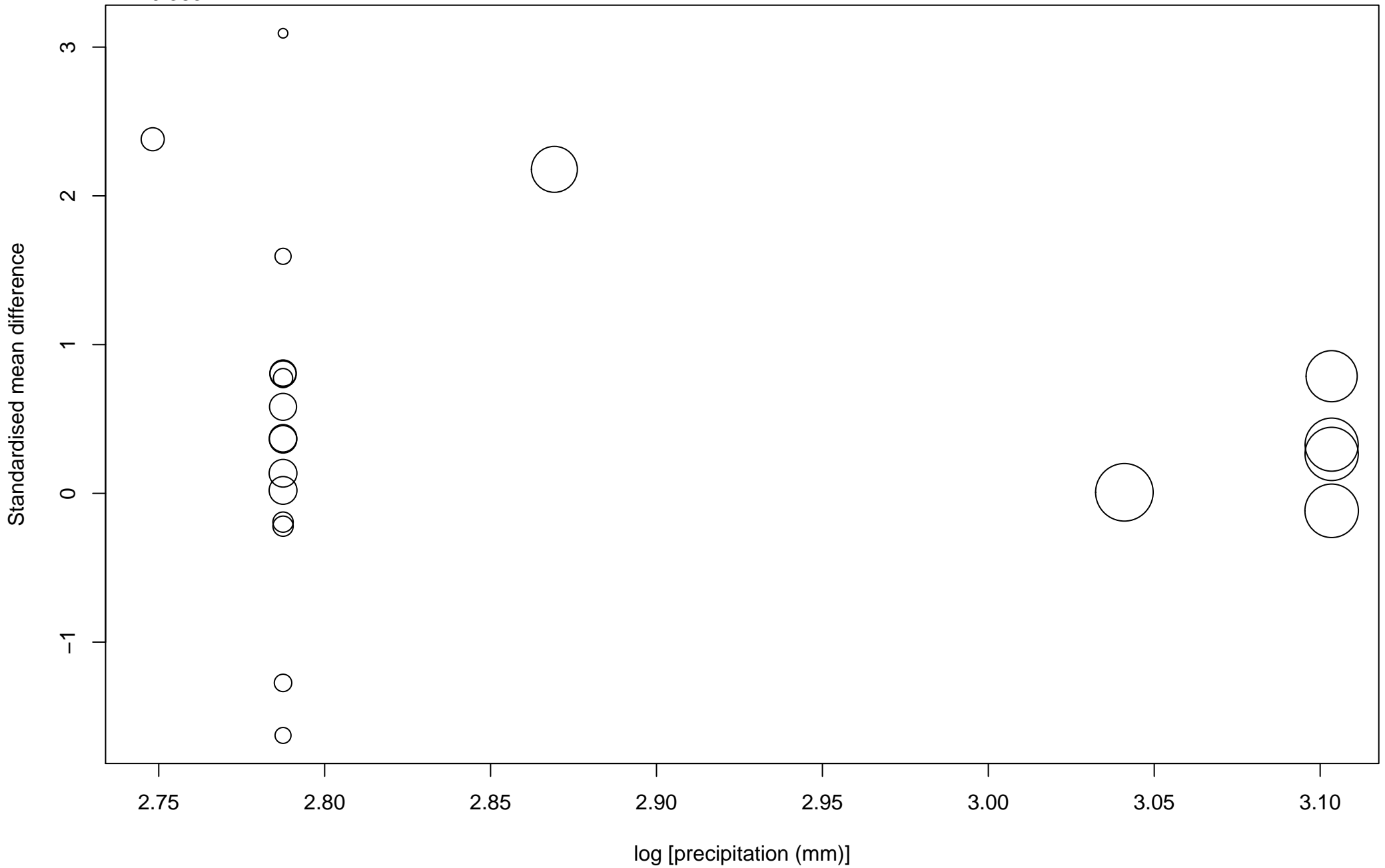
est= 2.363
se= 7.5954
P= 0.756

Graminoid species richness vs. mean annual precipitation



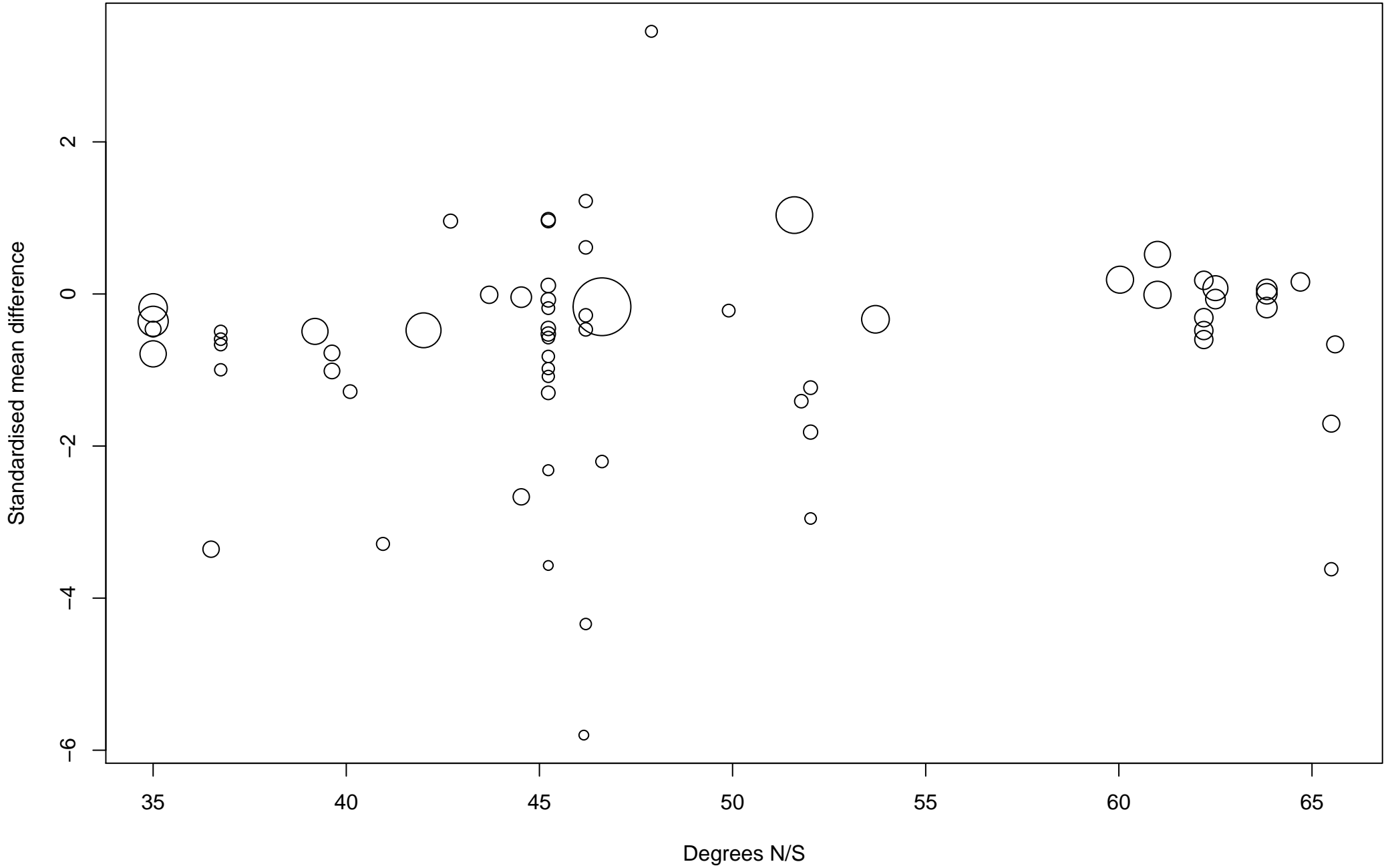
est= -2.543
se= 2.9169
P= 0.383

Forb species richness vs. mean annual precipitation



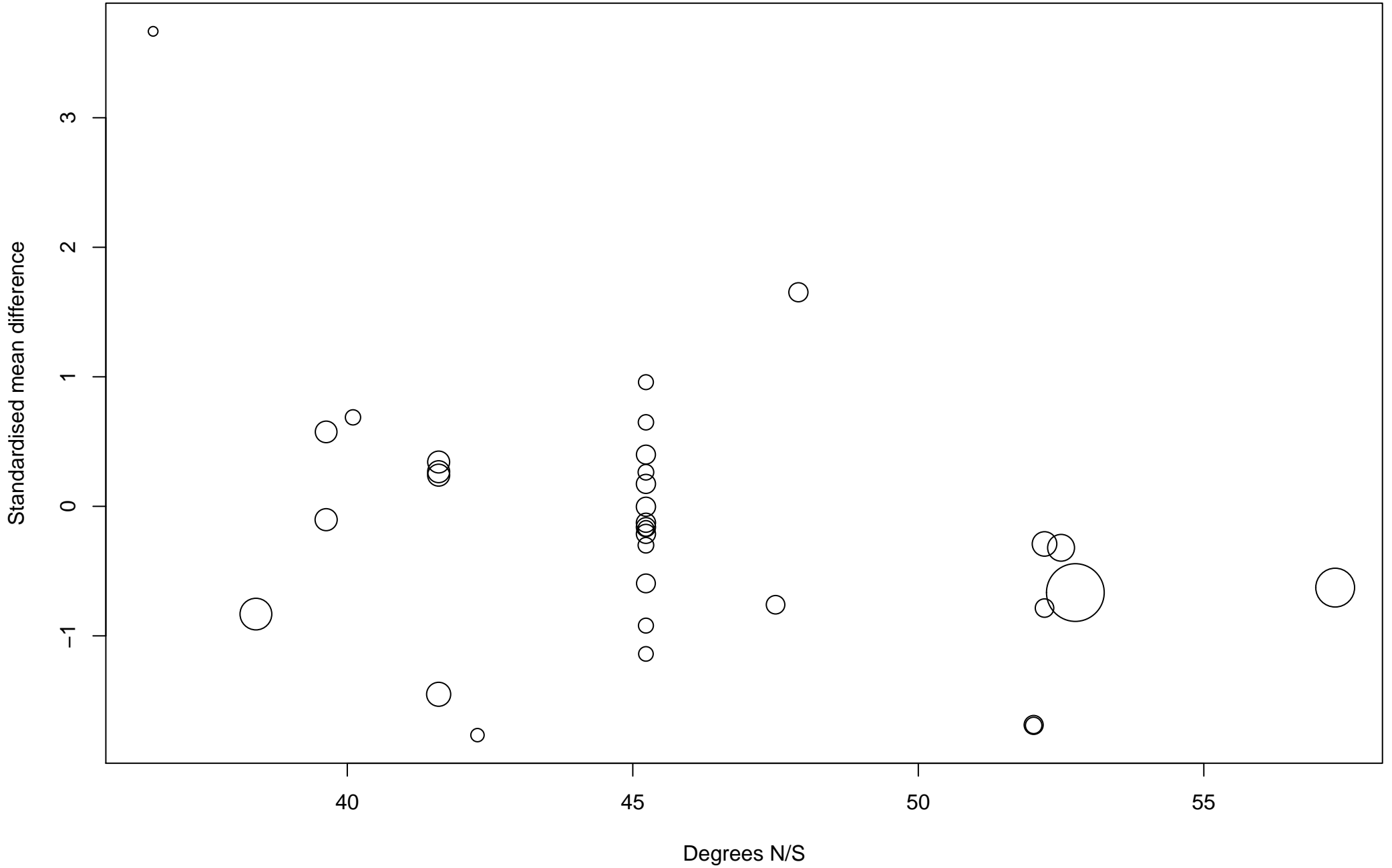
est= 0.016
se= 0.0151
P= 0.299

Understorey abundance vs. latitude



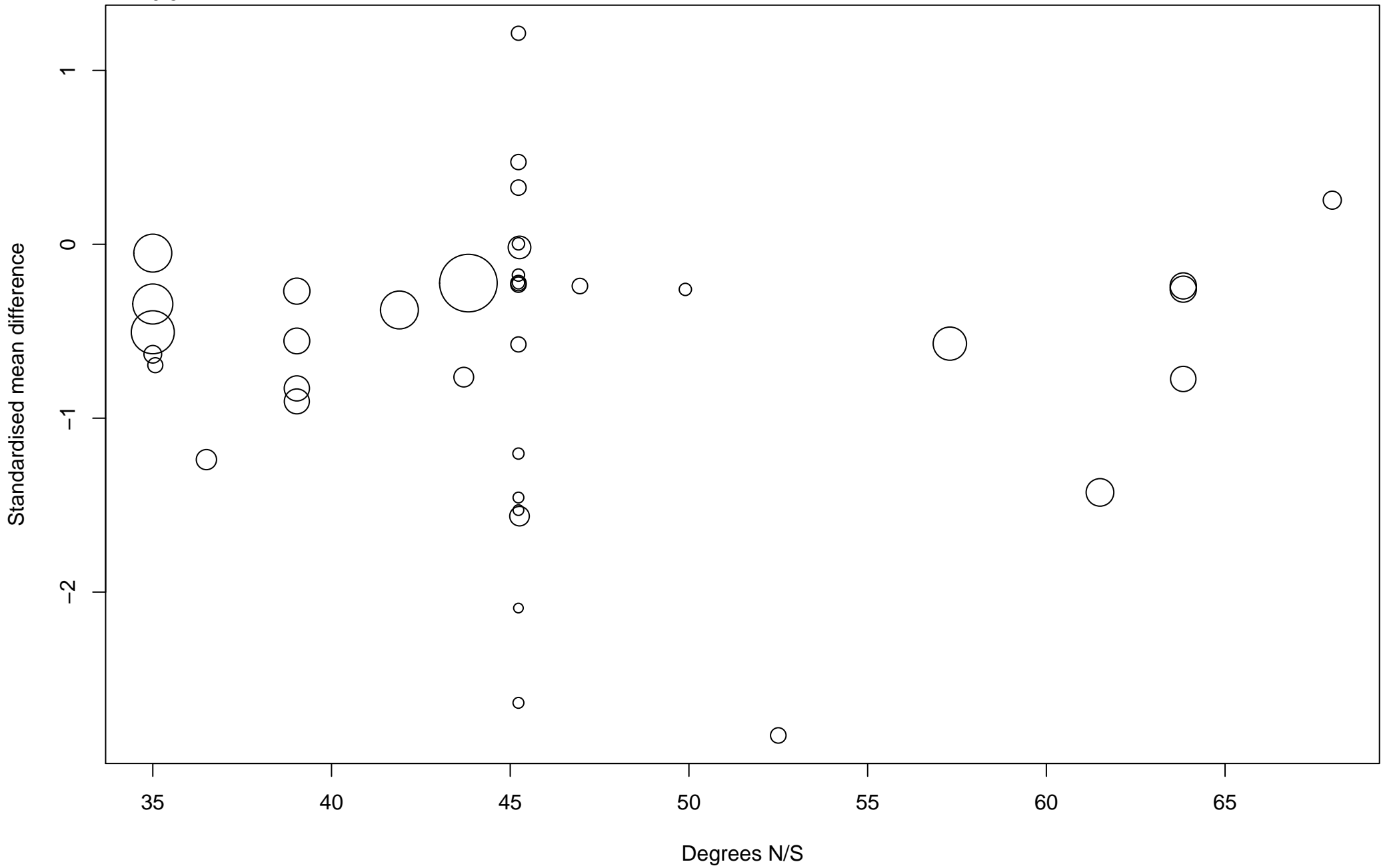
est= -0.04
se= 0.0215
P= 0.063

Tree sapling abundance vs. latitude



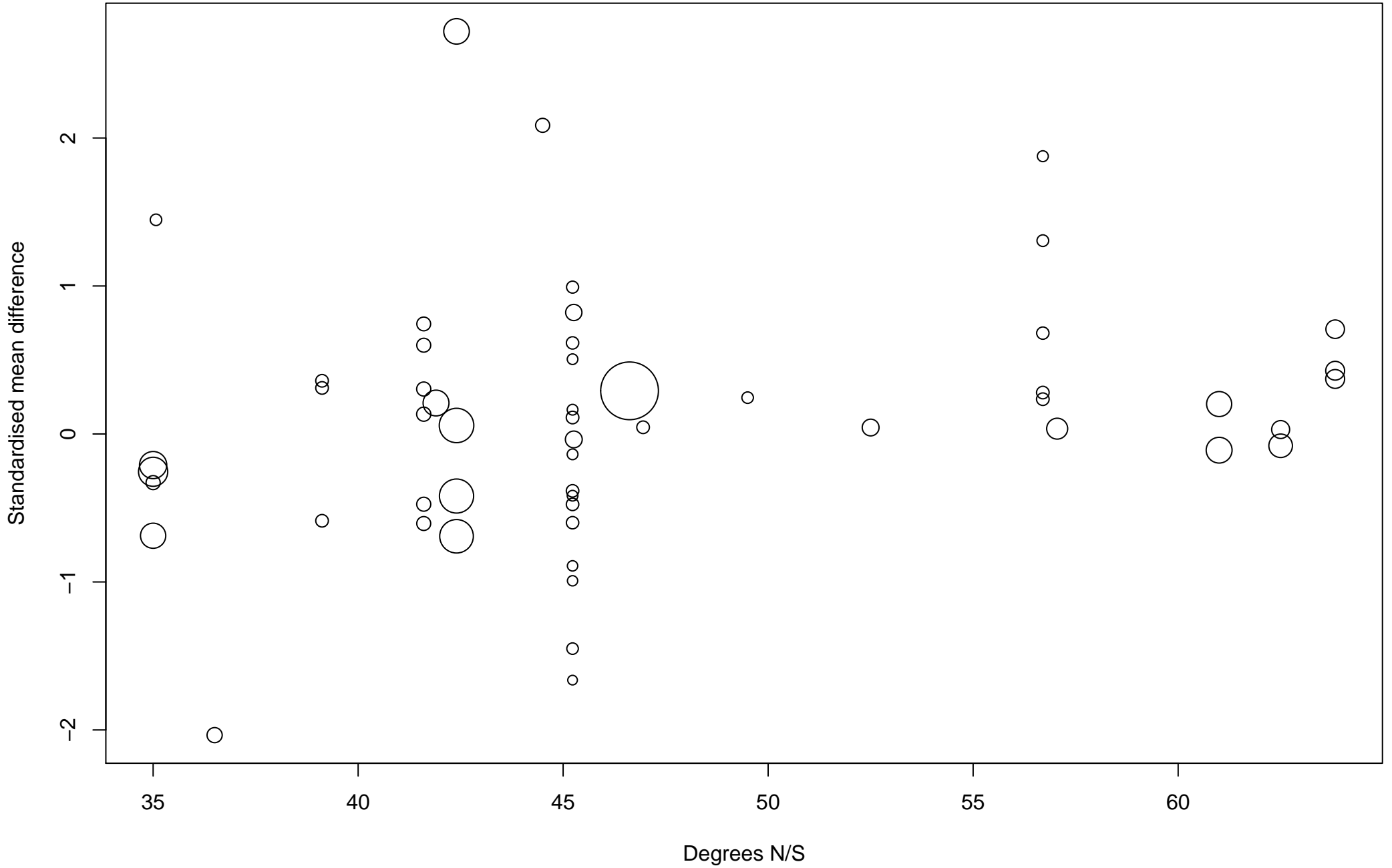
est= -0.006
se= 0.0094
P= 0.52

Shrub abundance vs. latitude



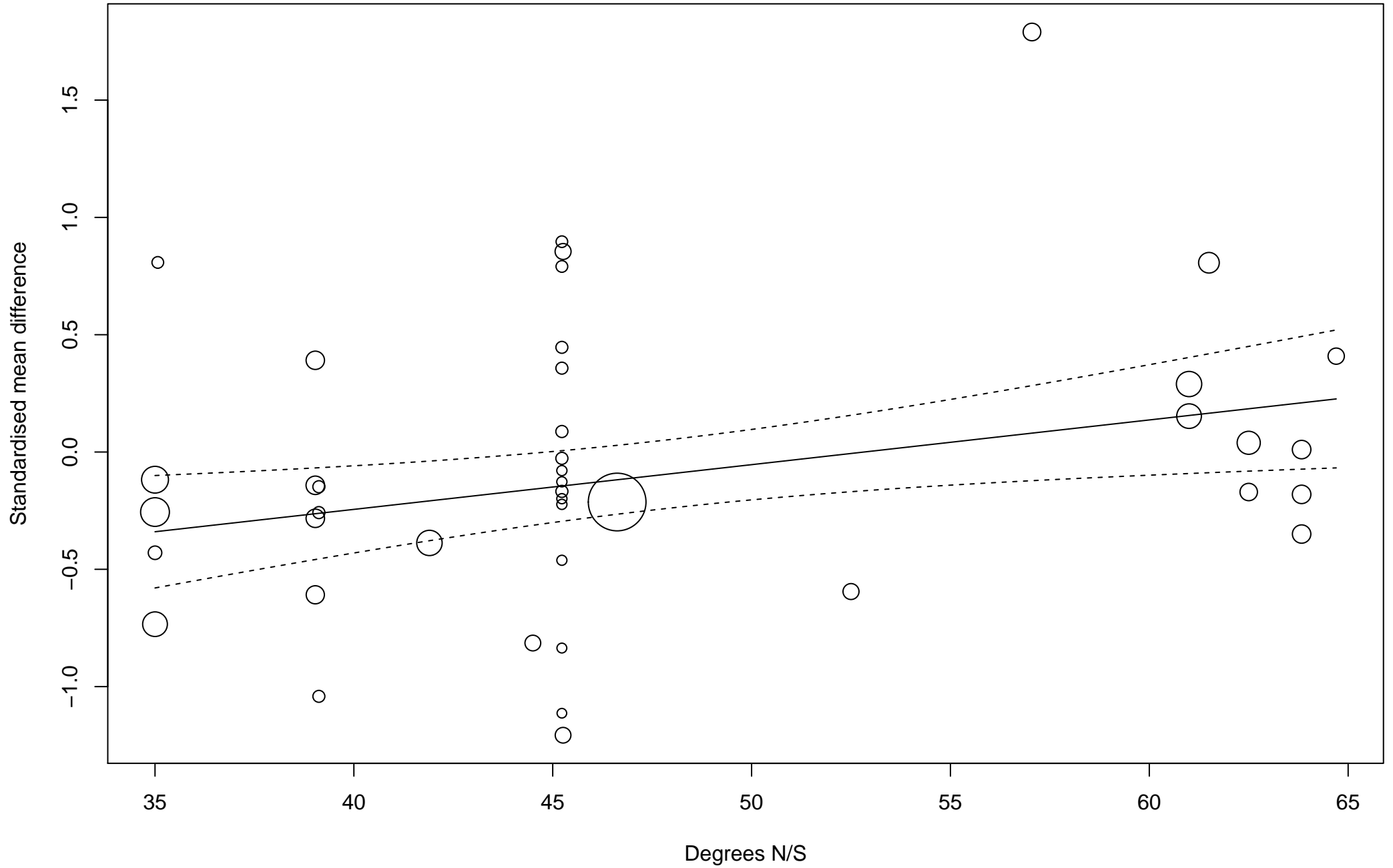
est= 0.017
se= 0.0155
P= 0.283

Graminoid abundance vs. latitude



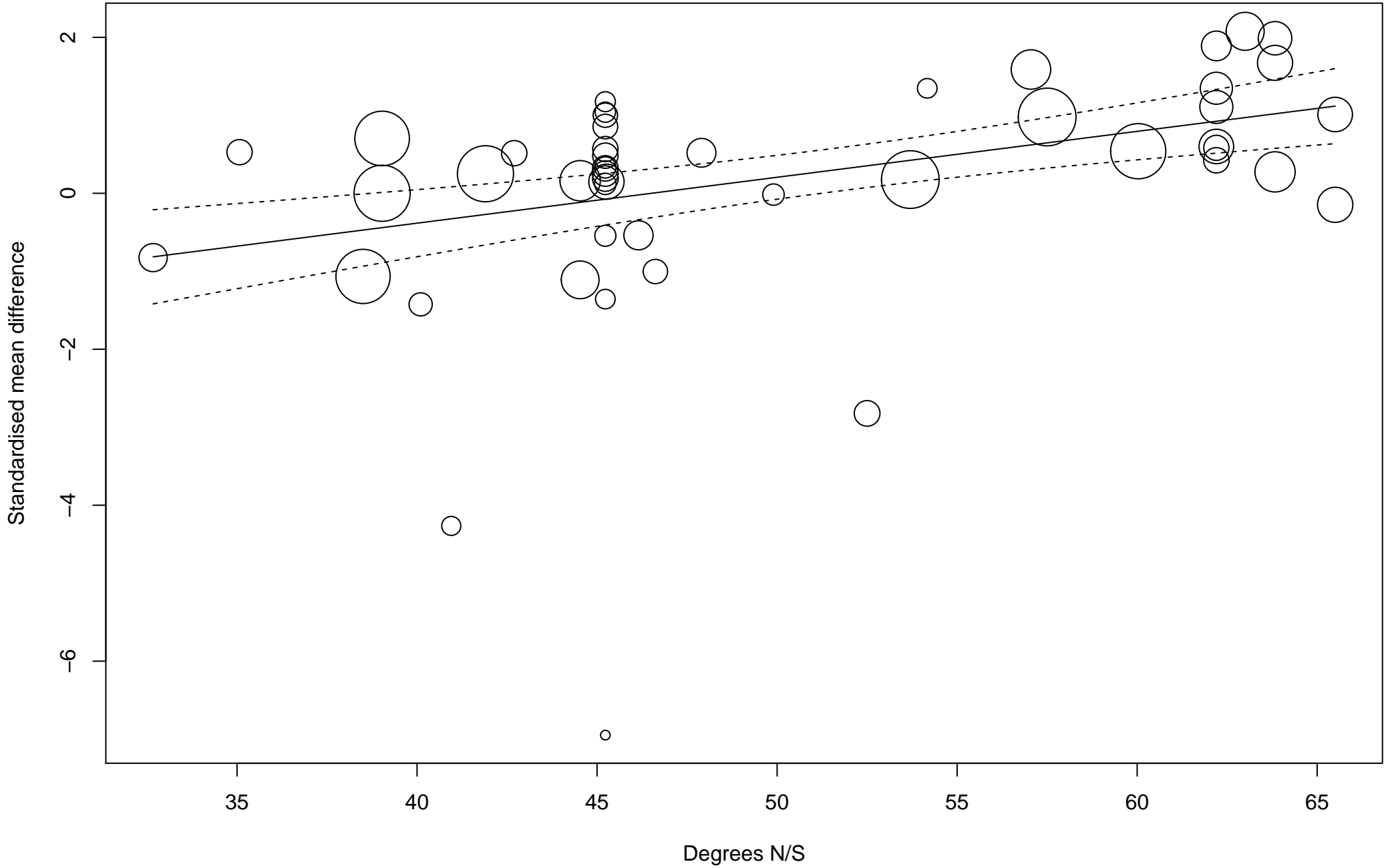
est= 0.019
se= 0.0076
P= 0.013

Forb abundance vs. latitude



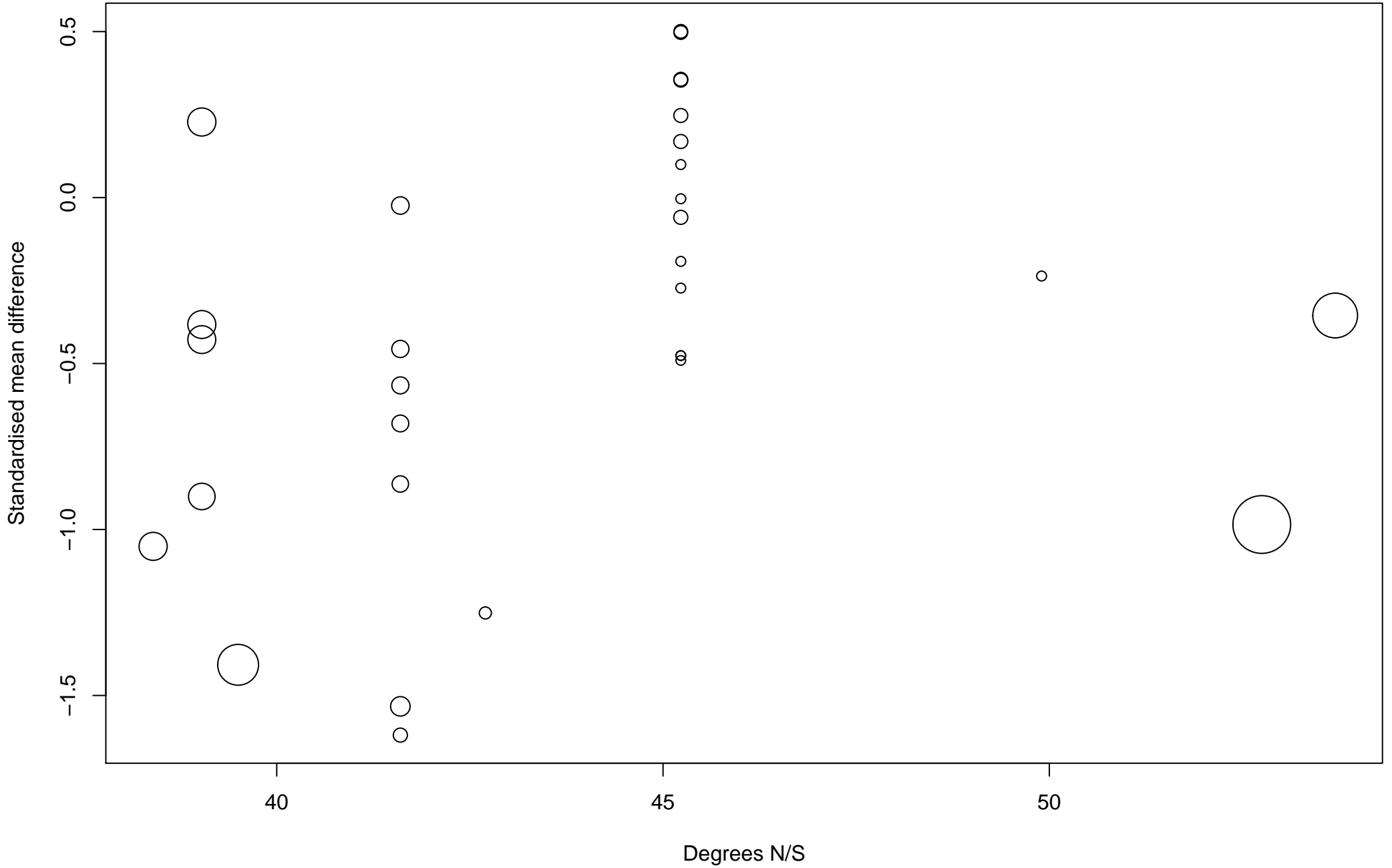
est= 0.059
se= 0.0144
P= 0

Understorey species richness vs. latitude



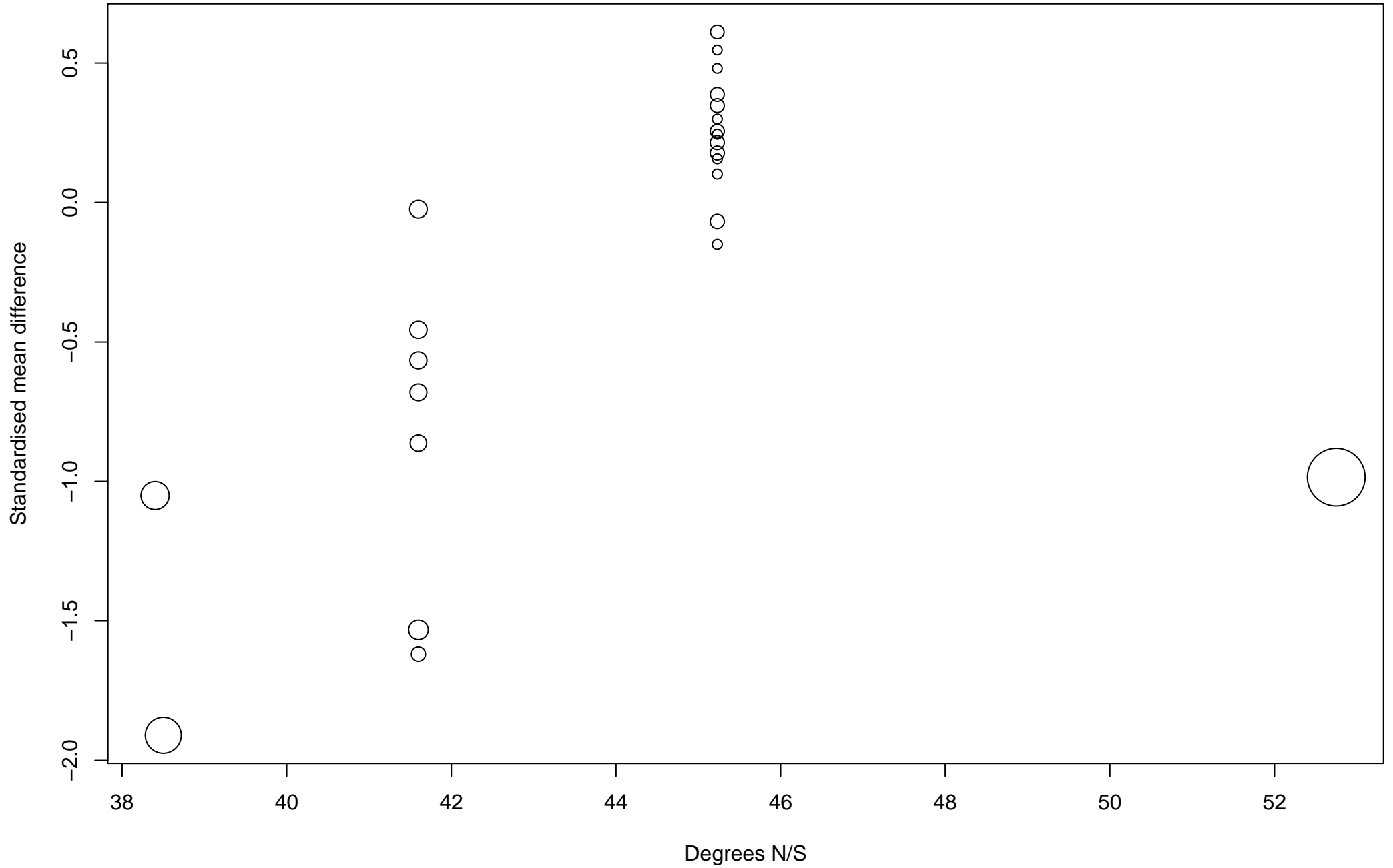
est= 0.023
se= 0.0345
P= 0.509

Woody understorey species richness vs. latitude



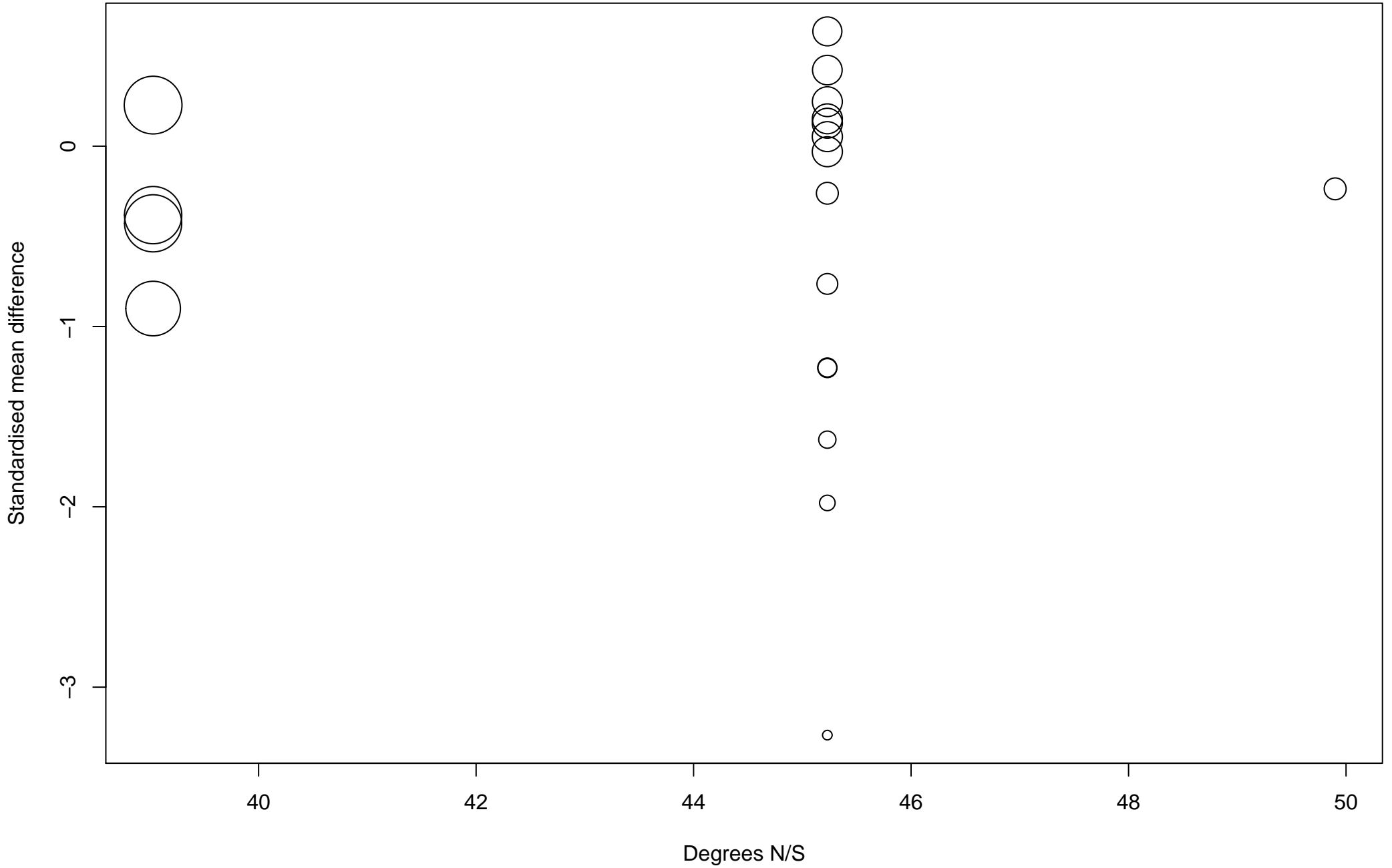
Tree sapling species richness vs. latitude

est= 0.059
se= 0.0688
P= 0.393



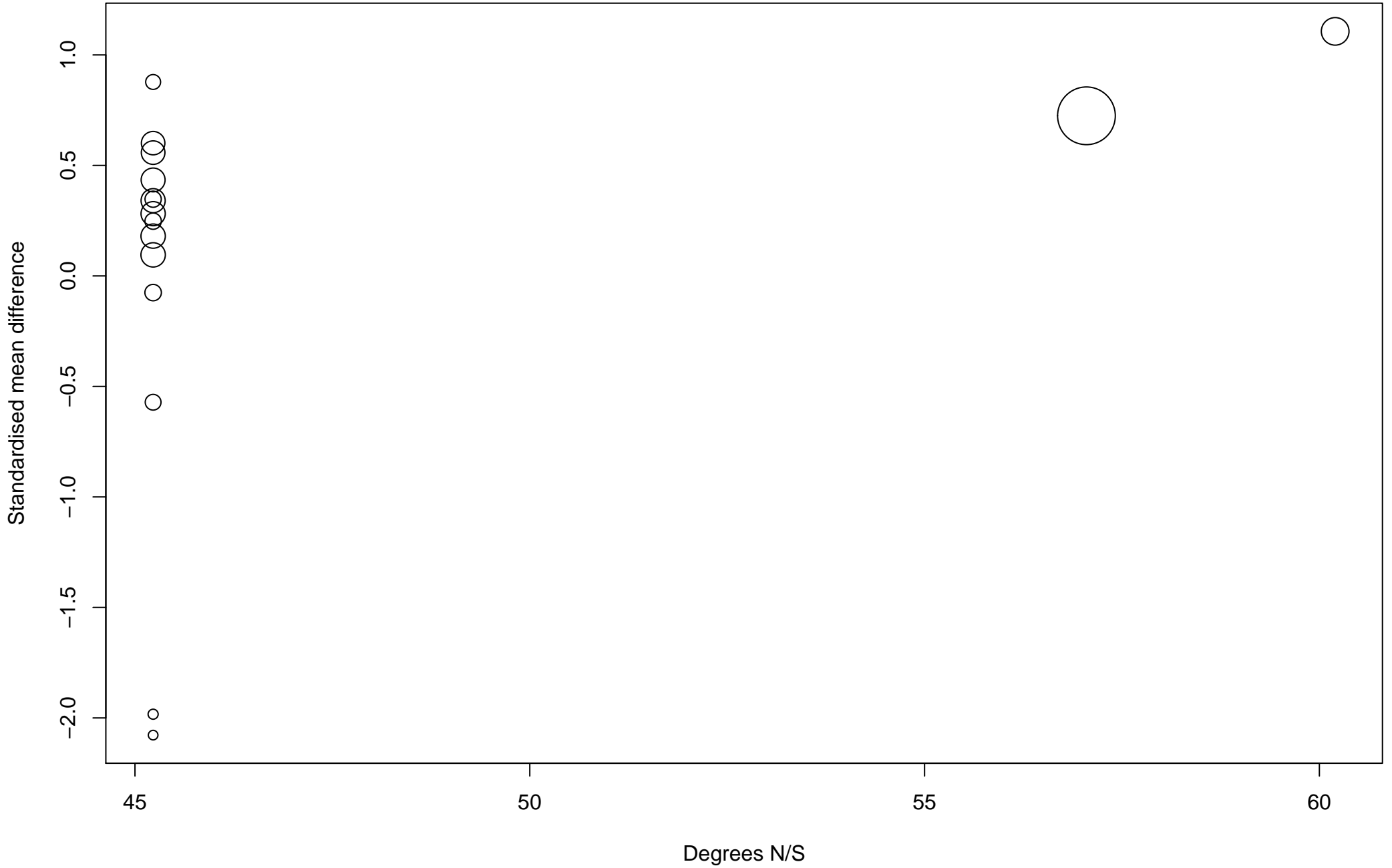
est= 0
se= 0.1203
P= 0.998

Shrub species richness vs. latitude



Graminoid species richness vs. latitude

est= 0.06
se= 0.0388
P= 0.125



est= 0.098
se= 0.029
P= 0.001

Forb species richness vs. latitude

