

# ANOVA

One-way completely randomized

Shannon-based effective species number (mountain lakes)

	Austria	Chile	Ethiopia
1	2.4	3.6	71.5
2	17.9	2.2	6.1
3	15.7	4.9	4.6
4	12.9	8.1	50.7
5	5.7	4.1	34.1
6	1.9	11.6	
7	2.6		
8	11.1		
<b>n</b>	8	6	5
$\bar{X}$	8.775	5.750	33.400
<b>s</b>	6.427	3.476	28.836
$\bar{X}_{ave}$	14.300		

source	df	SS	MS	F	P-value
treatments	2	2506.870	1253.435	5.4561	0.0156
error	16	3675.670	229.729		
total	18	6182.540			



