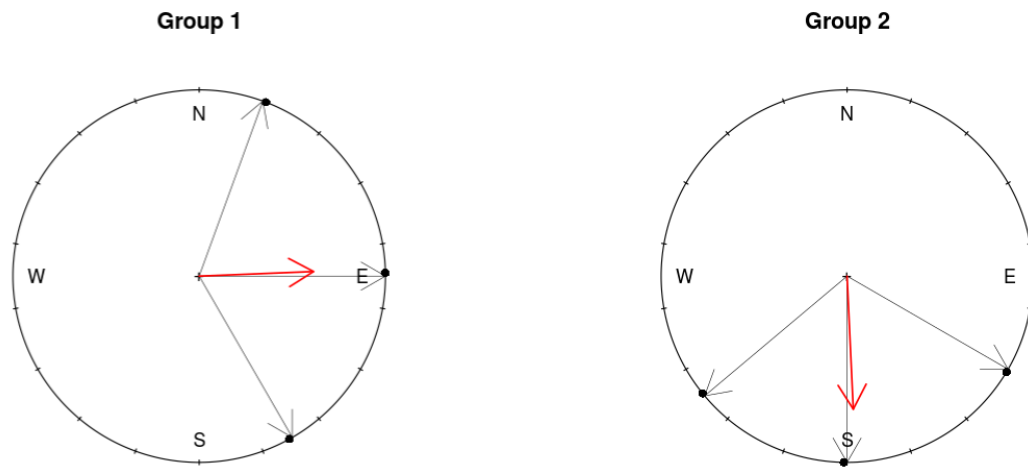


Plots

(data points shown in black, mean vector in red)



Hi!

This is the data from today's experiment from Group 7

Group 1:

Mean angle: 87.70981

Mean vector length (r): 0.6144975

Rayleigh test p-value: 0.3542773

Group 2:

Mean angle: 177.3286

Mean vector length (r): 0.7150396

Rayleigh test p-value: 0.23266

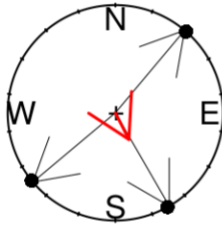
Watson's Two-Sample Test:

Test statistic: 0.0787

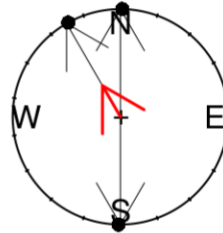
P-value > 0.10

Thank you!

Group 1



Group 2



Hi all,

Group 1:

Mean angle: 153.1052

Mean vector length: 0.277617

Rayleigh test p-value: 0.8207972

Group 2:

Mean angle: 330

Mean vector length: 0.333333

Rayleigh test p-value: 0.7507996

Best,

Group 4

Group 6

Results:

Group 1

Mean angle: 93.0562
Mean vector length (r): 0.5201805
Rayleigh test p-value: 0.4850383

Group 2

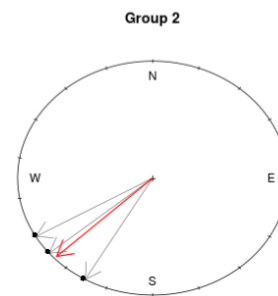
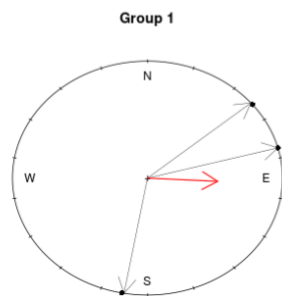
Mean angle: 226.705
Mean vector length (r): 0.9764477
Rayleigh test p-value: 0.0418685

Watson's test to compare two groups

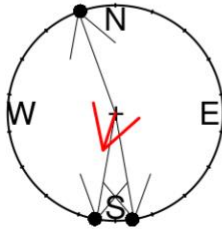
Watson's Two-Sample Test of Homogeneity
Test Statistic: 0.1528
0.05 < P-value < 0.10

Plots

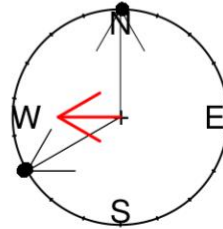
(data points shown in black, mean vector in red)



Group 1



Group 2



Group 1

Mean angle: 198.3705

Mean vector length (r): 0.3617425

Rayleigh test p-value: 0.7125324

Group 2

Mean angle: 270

Mean vector length (r): 0.5773503

Rayleigh test p-value: 0.4043551

Watson's Two-Sample Test of Homogeneity

Test Statistic: 0.0787

P-value > 0.10

Group 3

Group 1

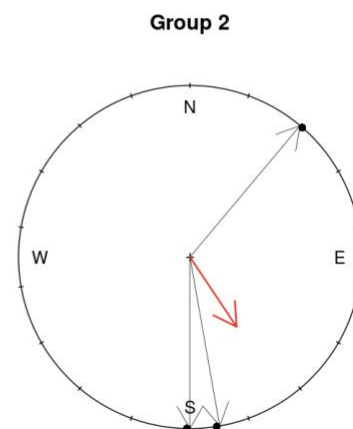
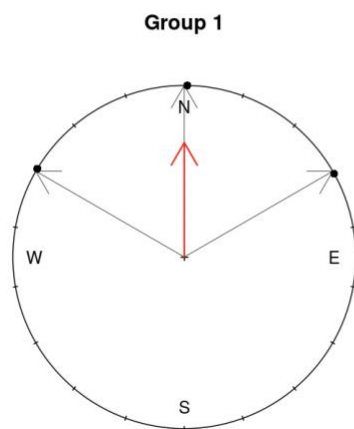
Mean angle: 0
Mean vector length (r): 0.666667
Rayleigh test p-value: 0.2883056

Group 2

Mean angle: 146.1823
Mean vector length (r): 0.4889844
Rayleigh test p-value: 0.5301957

Plots

(data points shown in black, mean vector in red)



Group 2

Hi all,

Thank you all for putting together this fun and informative experiment! Here is the data from Group 8.

Group 1 – Light on

Mean angle: 340

Mean vector length (r): 0.1157655

Rayleigh test p-value: 0.9666196

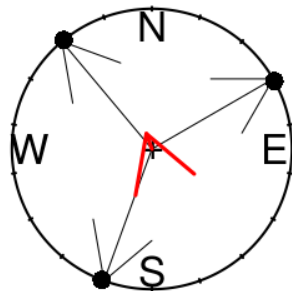
Group 2 – Light off

Mean angle: 135

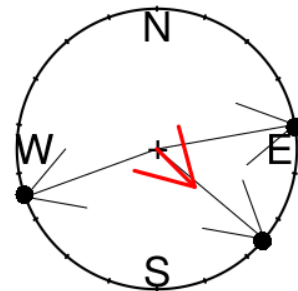
Mean vector length (r): 0.3823843

Rayleigh test p-value: 0.6838987

Group 1



Group 2



Results:

Group 1

Mean angle: 64.07907
Mean vector length (r): 0.4044976
Rayleigh test p-value: 0.6526179

Group 2

Mean angle: 358.355
Mean vector length (r): 0.3417984
Rayleigh test p-value: 0.7395526

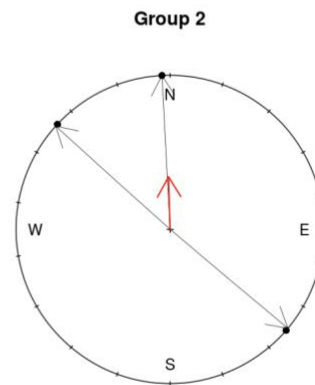
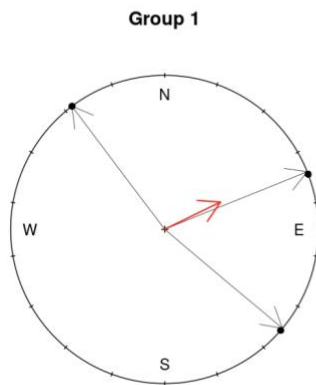
Watson's test to compare two groups

Watson's Two-Sample Test of Homogeneity

Test Statistic: 0.0417
P-value > 0.10

Plots

(data points shown in black, mean vector in red)



Group 9

Results:

Group 1

Mean angle: 182.2902
Mean vector length (r): 0.6144975
Rayleigh test p-value: 0.3542773

Group 2

Mean angle: 25
Mean vector length (r): 0.05810383
Rayleigh test p-value: 0.9914978

Watson's test to compare two groups

Watson's Two-Sample Test of Homogeneity

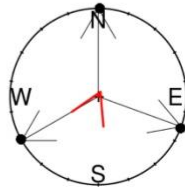
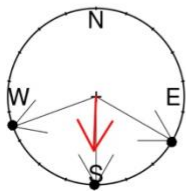
Test Statistic: 0.0787
P-value > 0.10

Plots

(data points shown in black, mean vector in red)

Group 1

Group 2



Group 5