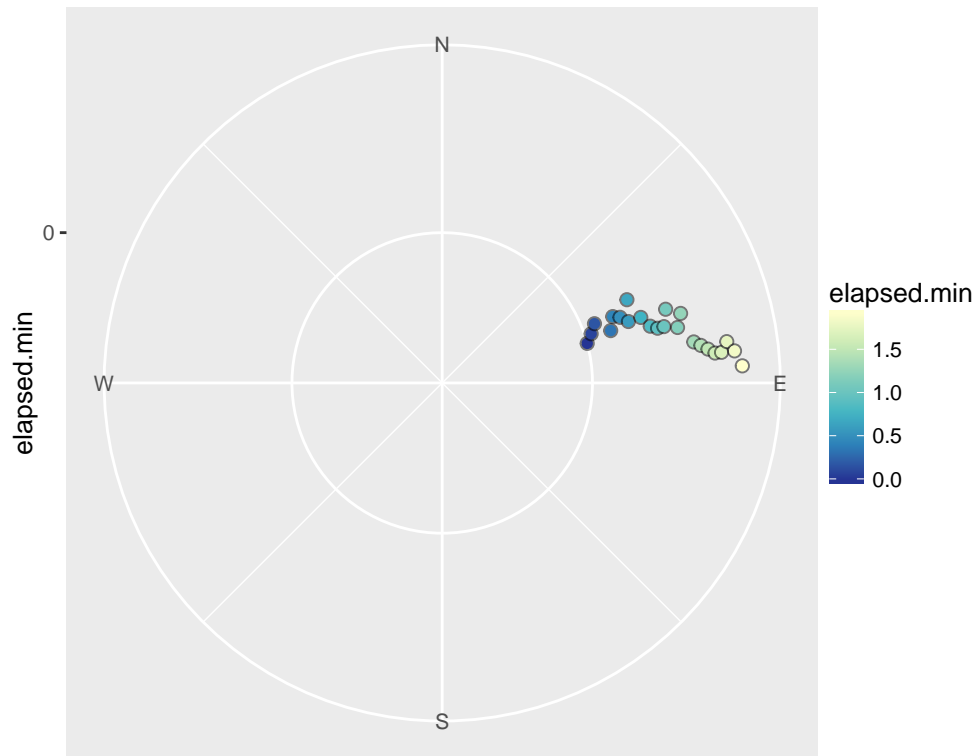



Compass rotation



Trajectory

elapsed.min



0.0 0.5 1.0 1.5

raw

rotated

y

x



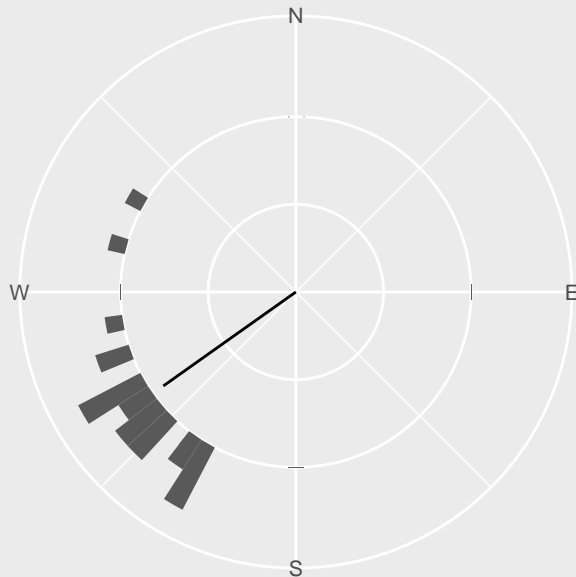
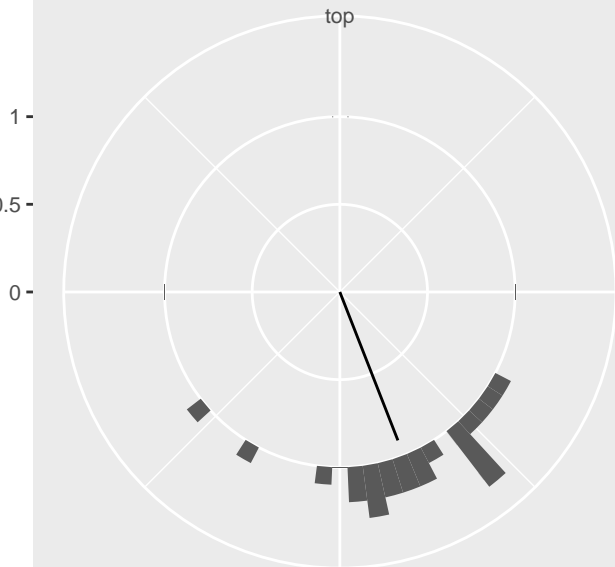
Positions

Directionality — signif. - - - non-signif.

raw
159°, $r=0.91$, $p=0$

rotated
235°, $r=0.93$, $p=0$

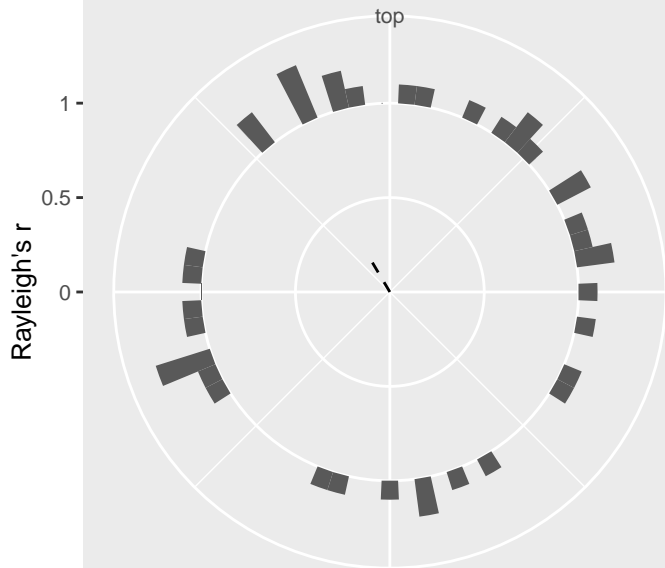
Rayleigh's r



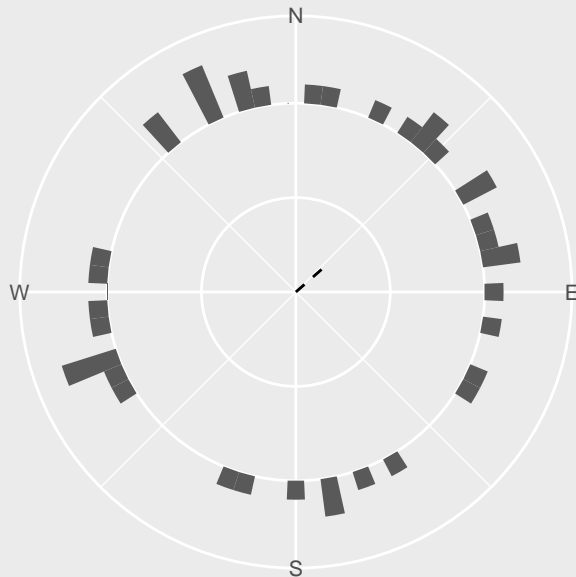
Swimming directions

Directionality — signif. - - - non-signif.

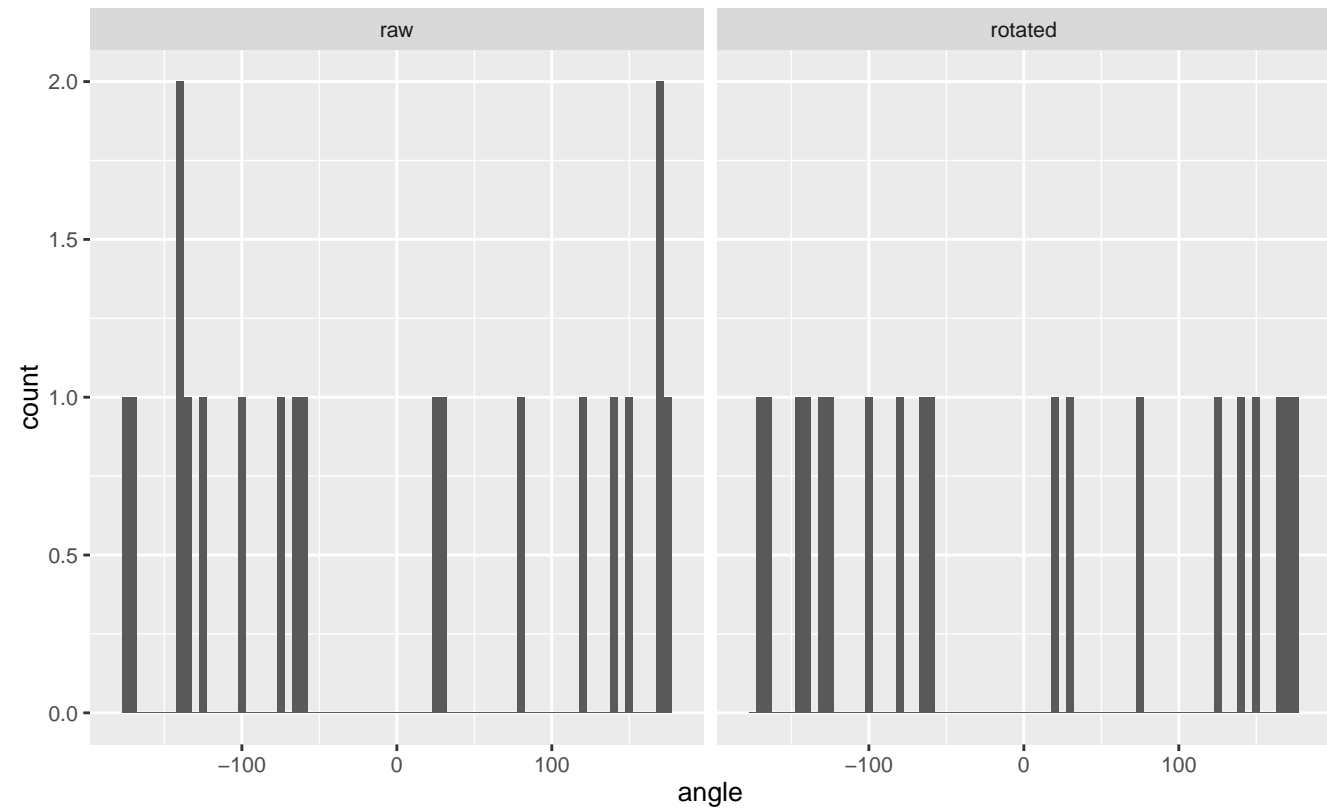
raw
329°, $r=0.19$, $p=0.469$



rotated
49°, $r=0.22$, $p=0.379$



Turning angles



Swimming speeds

