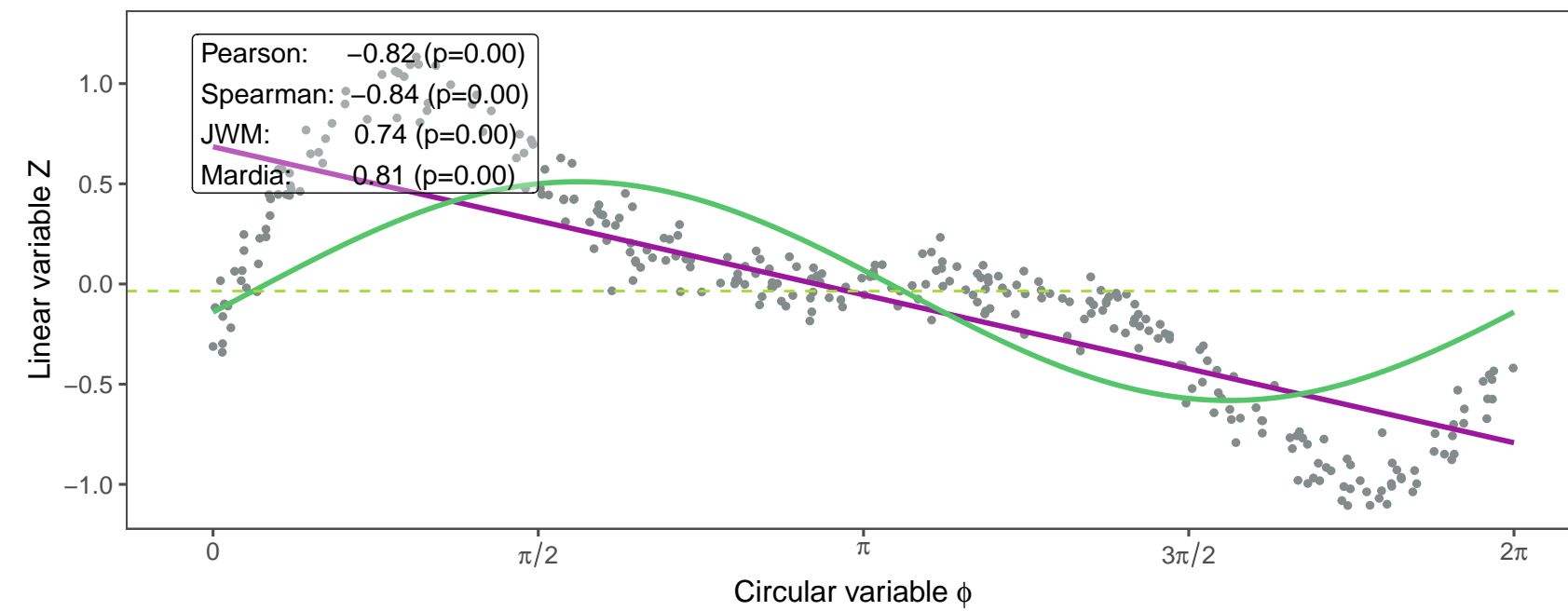
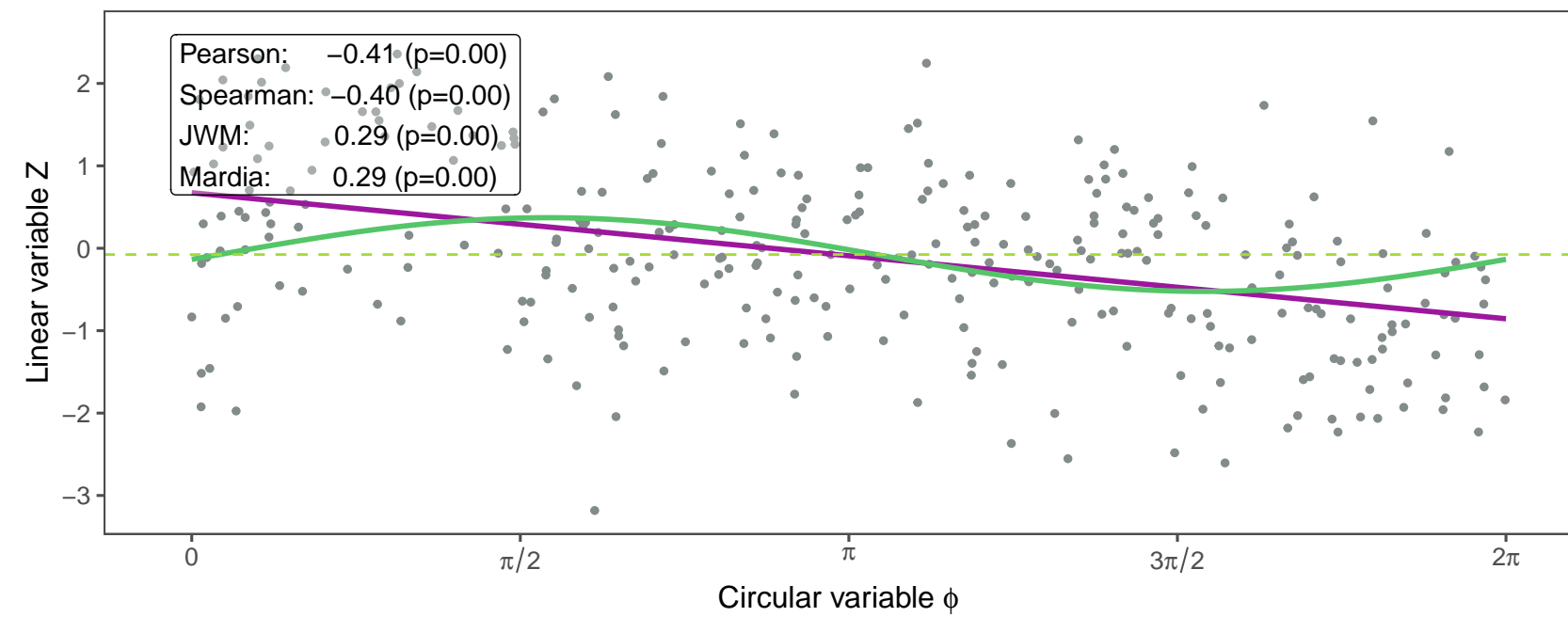
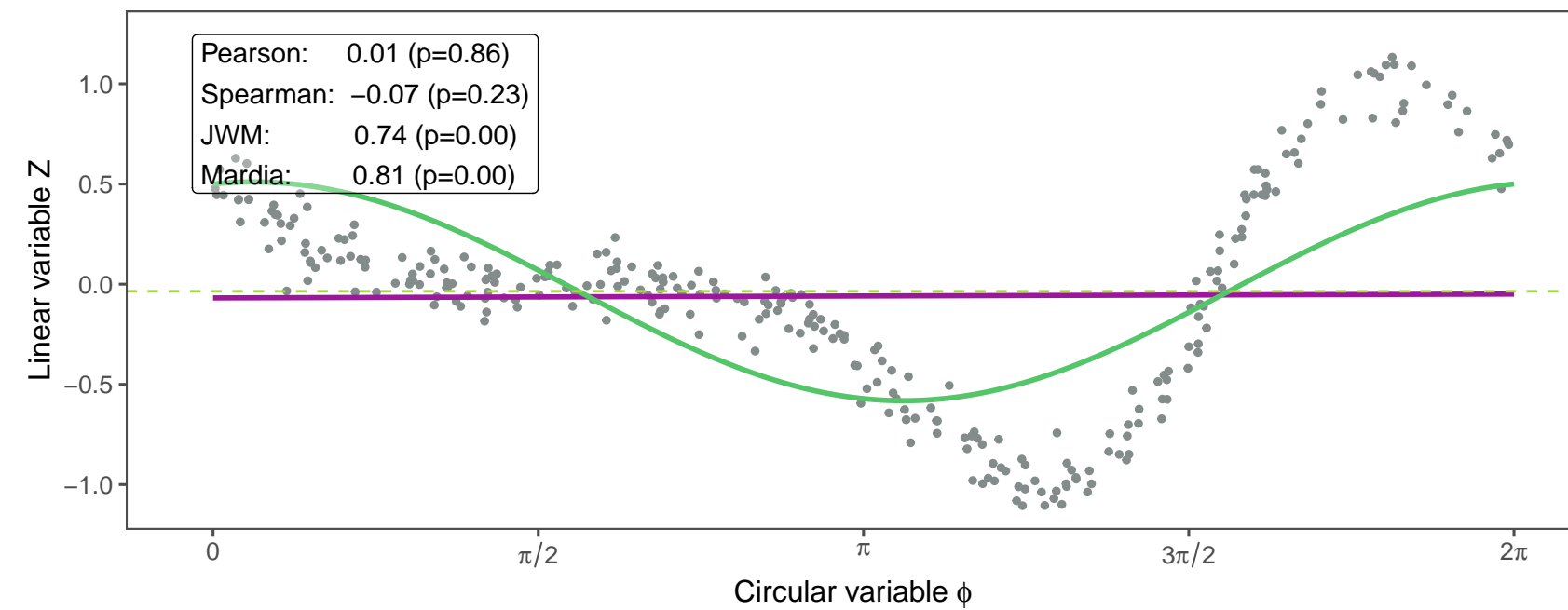
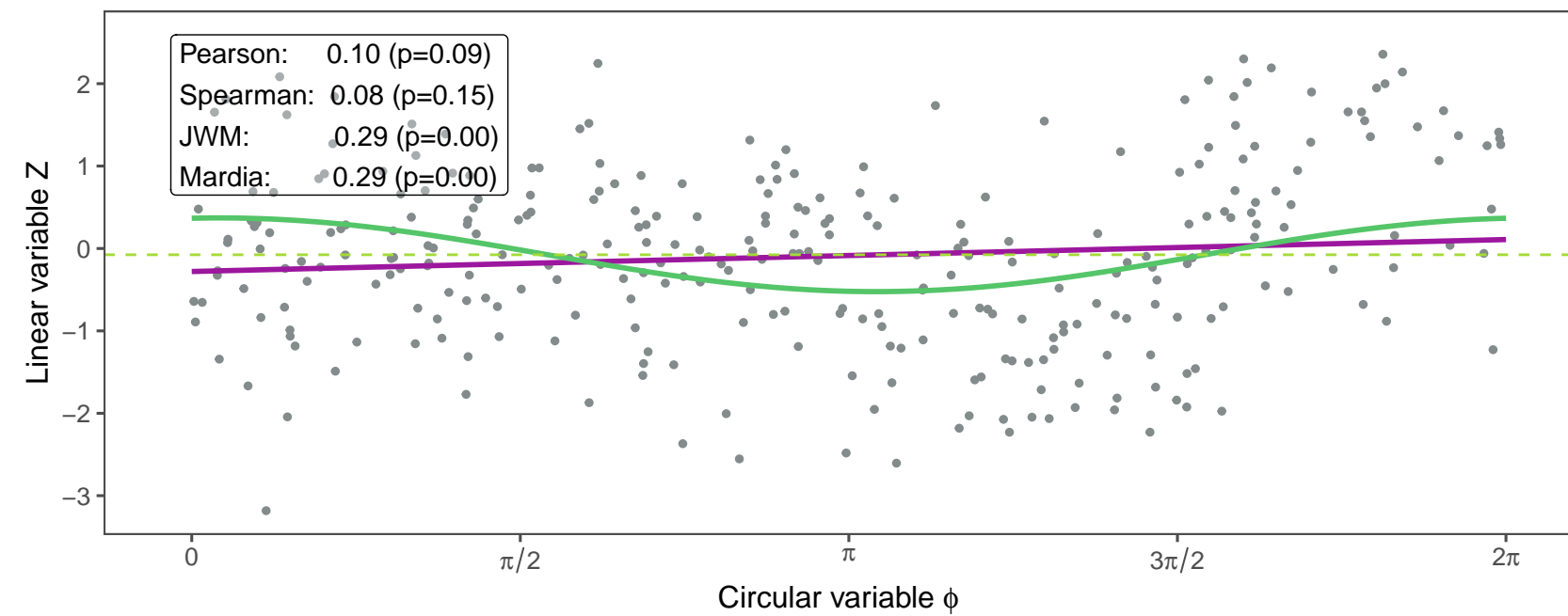
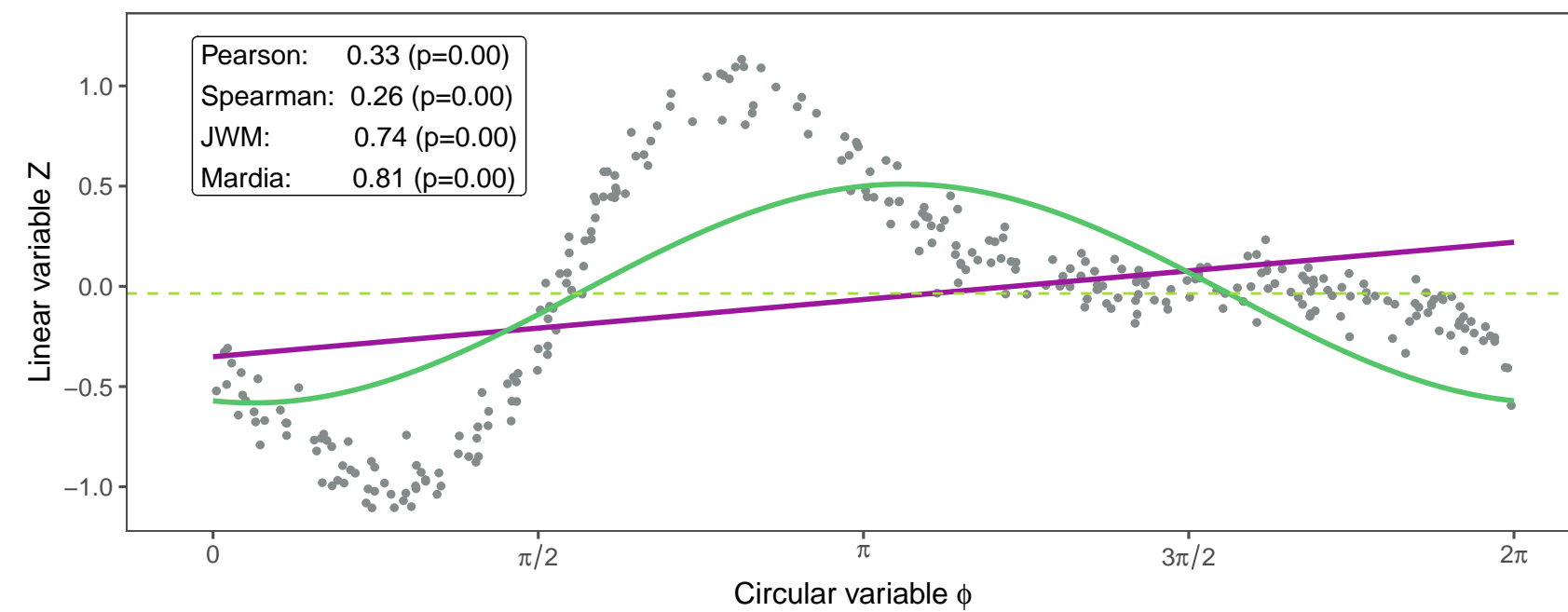


Raw simulated data



Increased noise in Z

 ϕ shifted by $-\pi/2$ Increased noise in Z, ϕ shifted by $-\pi/2$  ϕ shifted by $+\pi/2$ Increased noise in Z, ϕ shifted by $+\pi/2$ 