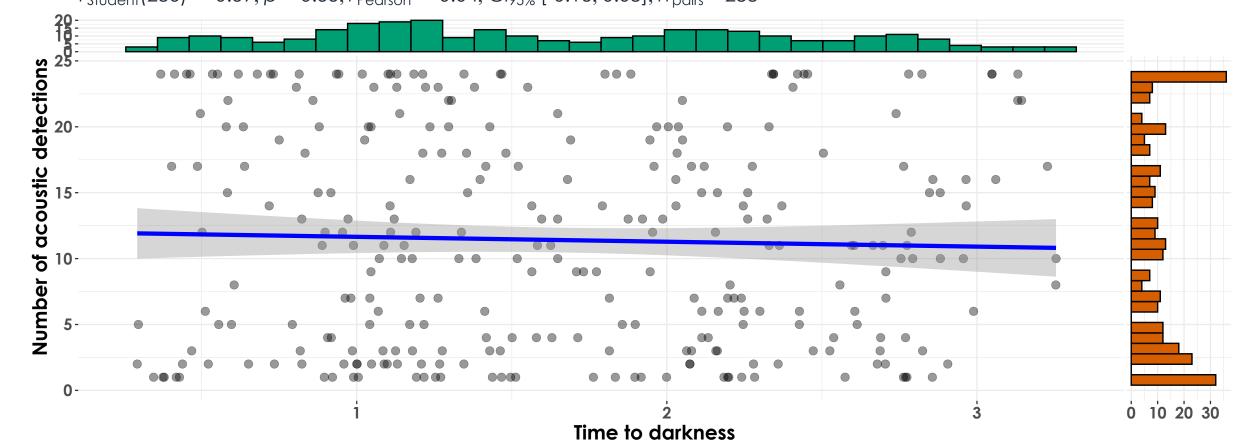
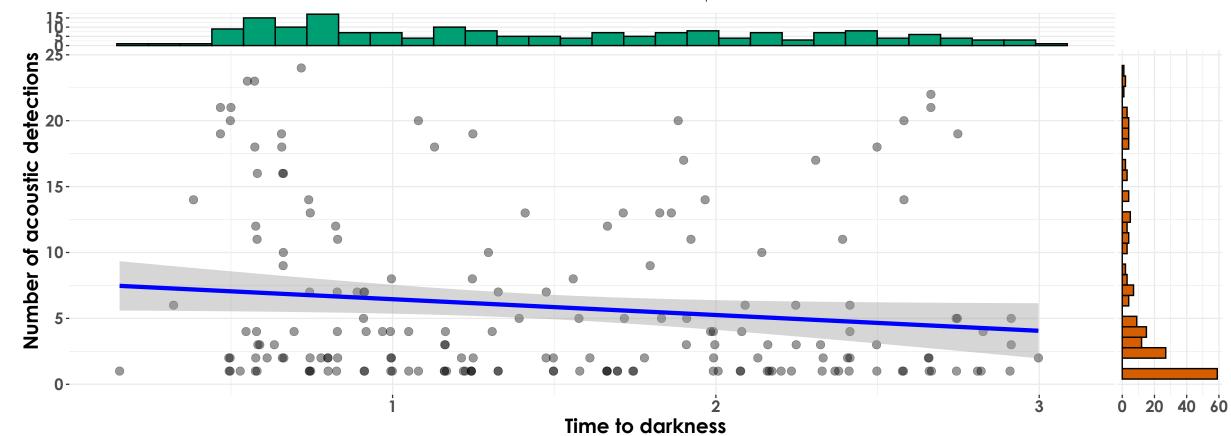
$t_{\text{Student}}(286) = -0.59, p = 0.55, \hat{r}_{\text{Pearson}} = -0.04, \text{Cl}_{95\%} \text{ [-0.15, 0.08]}, n_{\text{pairs}} = 288$ 



 $log_{e}(BF_{01}) = 2.23$ ,  $\hat{\rho}_{Pearson}^{posterior} = -0.04$ ,  $Cl_{95\%}^{HDI}$  [-0.15, 0.08],  $r_{beta}^{JZS} = 1.41$ 

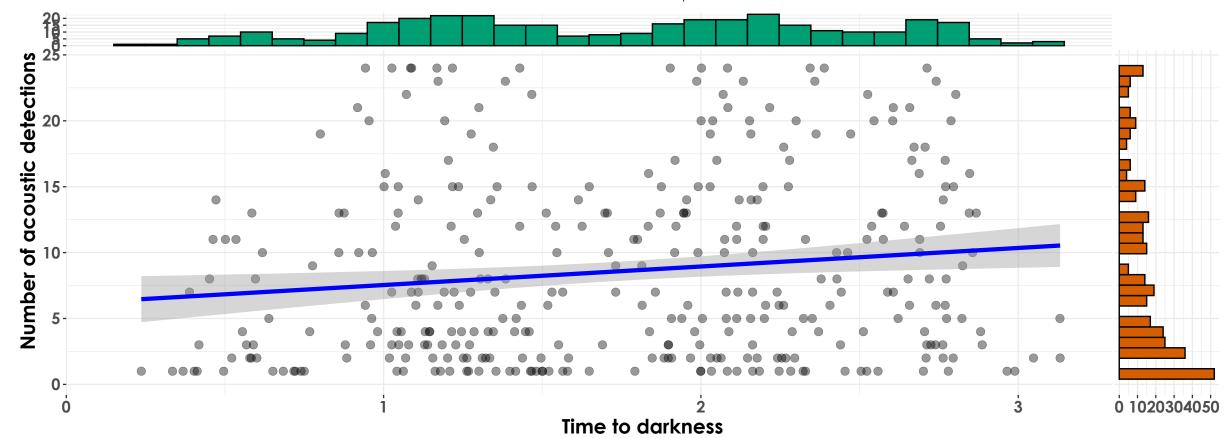
# dusk

 $t_{\text{Student}}(179) = -1.92, p = 0.06, \hat{r}_{\text{Pearson}} = -0.14, \text{Cl}_{95\%} \text{ [-0.28, 3.77e-03]}, n_{\text{pairs}} = 181$ 



 $log_e(BF_{01}) = 0.37$ ,  $\hat{\rho}_{Pearson}^{posterior} = -0.14$ ,  $Cl_{95\%}^{HDI}$  [-0.28, 6.33e-03],  $r_{beta}^{JZS} = 1.41$ 

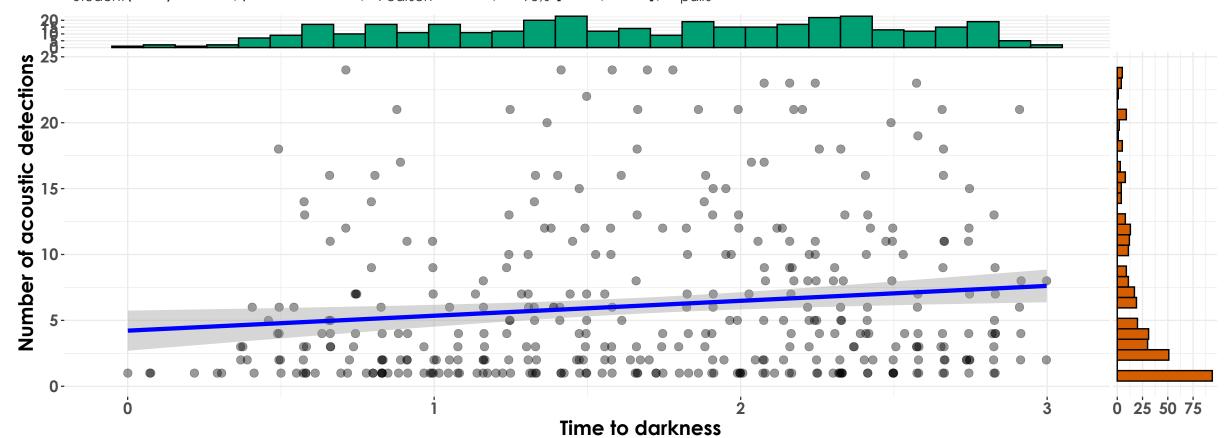
$$t_{\text{Student}}(344) = 2.63, p = 8.81\text{e-}03, \hat{r}_{\text{Pearson}} = 0.14, \text{Cl}_{95\%}[0.04, 0.24], n_{\text{pairs}} = 346$$



 $log_e(BF_{01}) = -0.92$ ,  $\hat{\rho}_{Pearson}^{posterior} = 0.14$ ,  $Cl_{95\%}^{HDI}$  [0.04, 0.24],  $r_{beta}^{JZS} = 1.41$ 

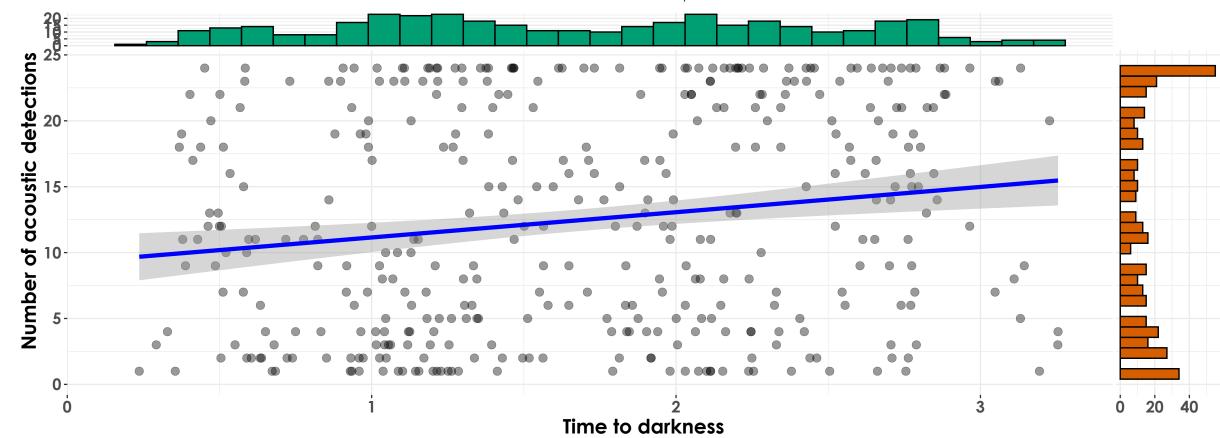
# dusk

$$t_{\text{Student}}(370) = 2.69, p = 7.52\text{e-}03, \hat{r}_{\text{Pearson}} = 0.14, \text{Cl}_{95\%} [0.04, 0.24], n_{\text{pairs}} = 372$$



$$log_e(BF_{01}) = -1.02$$
,  $\hat{\rho}_{Pearson}^{posterior} = 0.14$ ,  $Cl_{95\%}^{HDI}$  [0.04, 0.24],  $r_{beta}^{JZS} = 1.41$ 

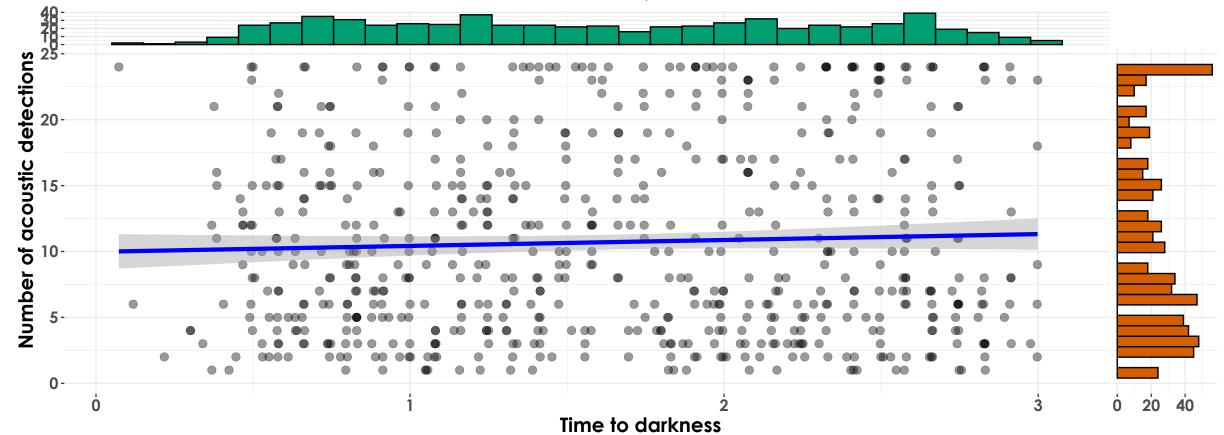
 $t_{\text{Student}}(382) = 3.46, p = 5.98\text{e-}04, \hat{r}_{\text{Pearson}} = 0.17, \text{Cl}_{95\%} [0.08, 0.27], n_{\text{pairs}} = 384$ 



 $log_{e}(BF_{01}) = -3.31$ ,  $\hat{\rho}_{Pearson}^{posterior} = 0.17$ ,  $Cl_{95\%}^{HDI}$  [0.07, 0.26],  $r_{beta}^{JZS} = 1.41$ 

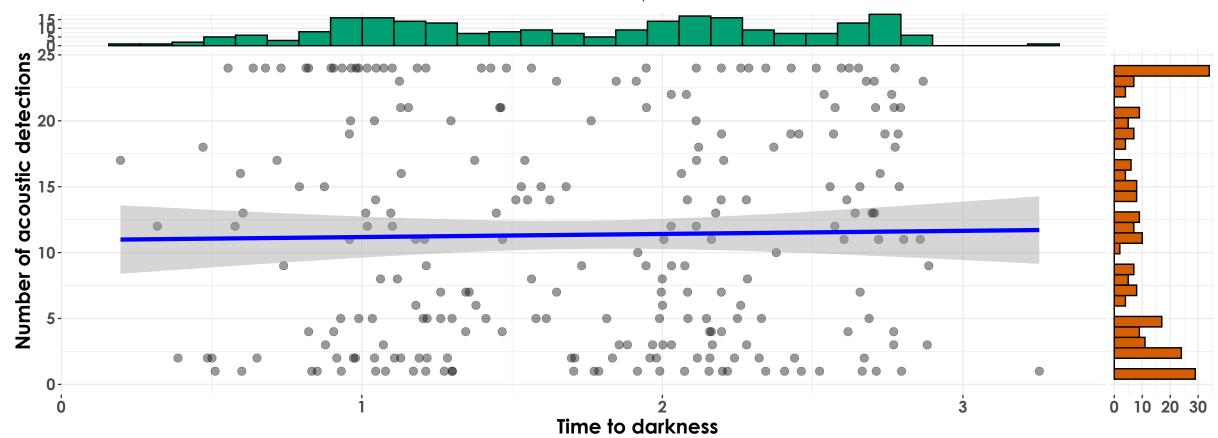
# dusk

 $t_{\text{Student}}$  (634) = 1.16, p = 0.25,  $\hat{r}_{\text{Pearson}}$  = 0.05,  $Cl_{95\%}$  [-0.03, 0.12],  $n_{\text{pairs}}$  = 636



 $log_e(BF_{01}) = 2.13$ ,  $\hat{\rho}_{Pearson}^{posterior} = 0.05$ ,  $Cl_{95\%}^{HDI}$  [-0.03, 0.12],  $r_{beta}^{JZS} = 1.41$ 

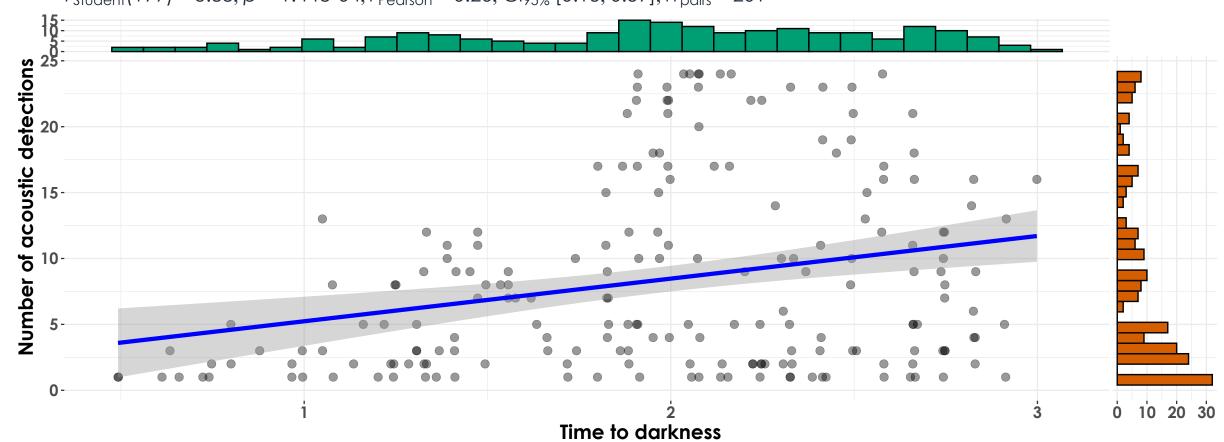
 $t_{\text{Student}}(236) = 0.30, p = 0.76, \hat{r}_{\text{Pearson}} = 0.02, \text{Cl}_{95\%} \text{ [-0.11, 0.15]}, n_{\text{pairs}} = 238$ 



$$log_e(BF_{01}) = 2.26$$
,  $\hat{\rho}_{Pearson}^{posterior} = 0.02$ ,  $Cl_{95\%}^{HDI}$  [-0.11, 0.14],  $r_{beta}^{JZS} = 1.41$ 

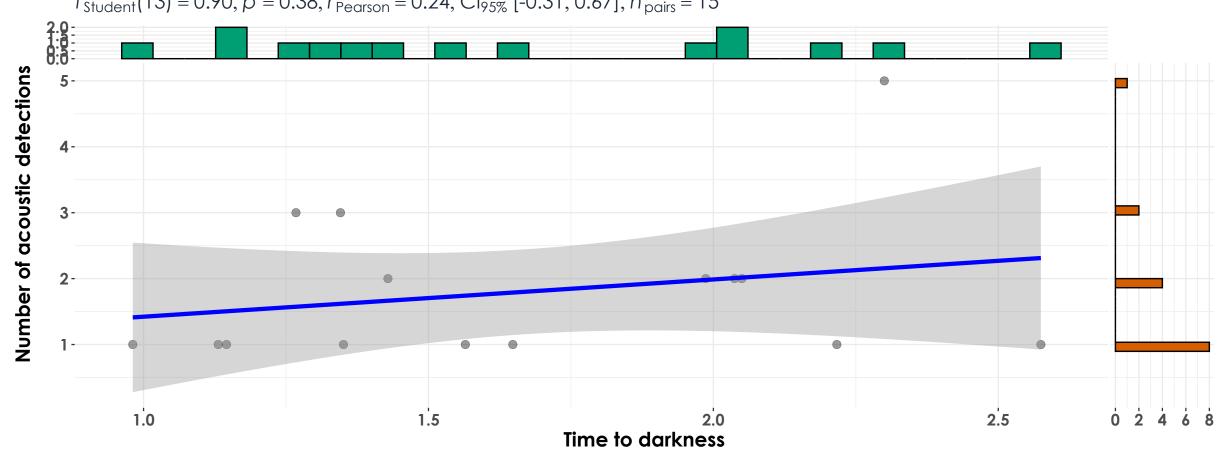
### dusk

 $t_{\text{Student}}(199) = 3.88, p = 1.44\text{e-}04, \hat{r}_{\text{Pearson}} = 0.26, \text{Cl}_{95\%}[0.13, 0.39], n_{\text{pairs}} = 201$ 



$$log_e(BF_{01}) = -4.92$$
,  $\hat{\rho}_{Pearson}^{posterior} = 0.26$ ,  $Cl_{95\%}^{HDI}$  [0.14, 0.39],  $r_{beta}^{JZS} = 1.41$ 

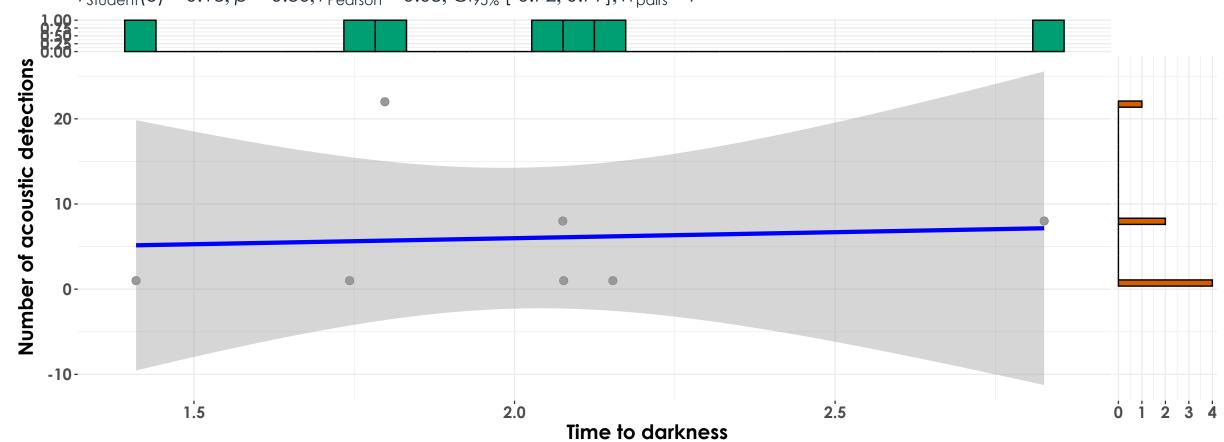
 $t_{\text{Student}}(13) = 0.90, p = 0.38, \hat{r}_{\text{Pearson}} = 0.24, \text{Cl}_{95\%}$  [-0.31, 0.67],  $n_{\text{pairs}} = 15$ 



 $log_{e}(BF_{01}) = 0.63$ ,  $\hat{\rho}_{Pearson}^{posterior} = 0.19$ ,  $Cl_{95\%}^{HDI}$  [-0.26, 0.62],  $r_{beta}^{JZS} = 1.41$ 

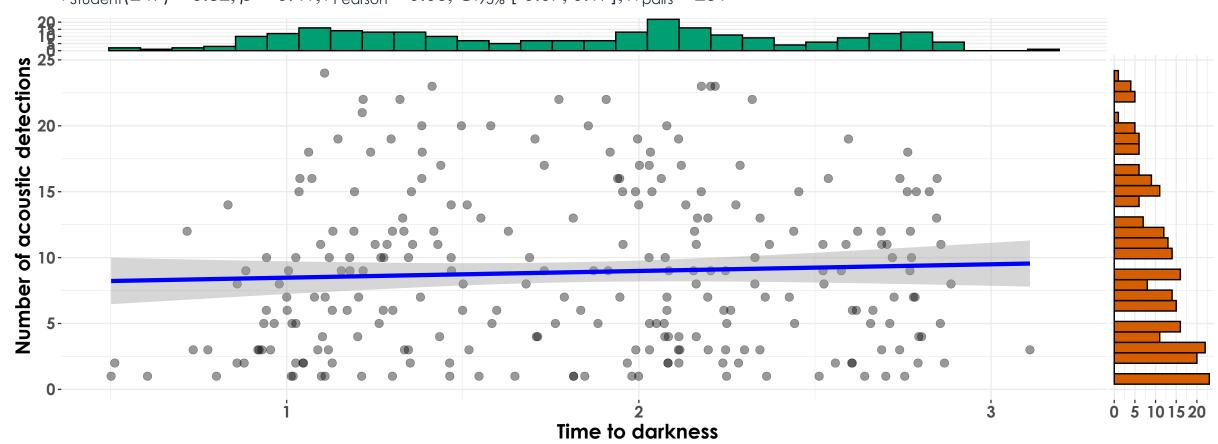
### dusk

 $t_{\text{Student}}(5) = 0.18, p = 0.86, \hat{r}_{\text{Pearson}} = 0.08, \text{Cl}_{95\%}$  [-0.72, 0.79],  $n_{\text{pairs}} = 7$ 



 $log_e(BF_{01}) = 0.62$ ,  $\hat{\rho}_{Pearson}^{posterior} = 0.06$ ,  $Cl_{95\%}^{HDI}$  [-0.56, 0.66],  $r_{beta}^{JZS} = 1.41$ 

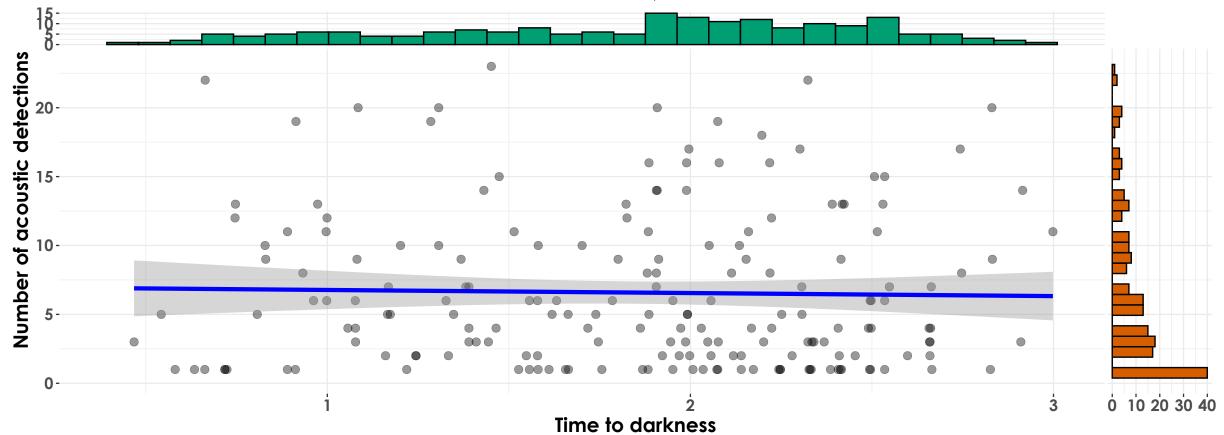
$$t_{\text{Student}}(249) = 0.82, p = 0.41, \hat{r}_{\text{Pearson}} = 0.05, \text{Cl}_{95\%} \text{ [-0.07, 0.17]}, n_{\text{pairs}} = 251$$



 $log_e(BF_{01}) = 2.00$ ,  $\hat{\rho}_{Pearson}^{posterior} = 0.05$ ,  $Cl_{95\%}^{HDI}$  [-0.08, 0.16],  $r_{beta}^{JZS} = 1.41$ 

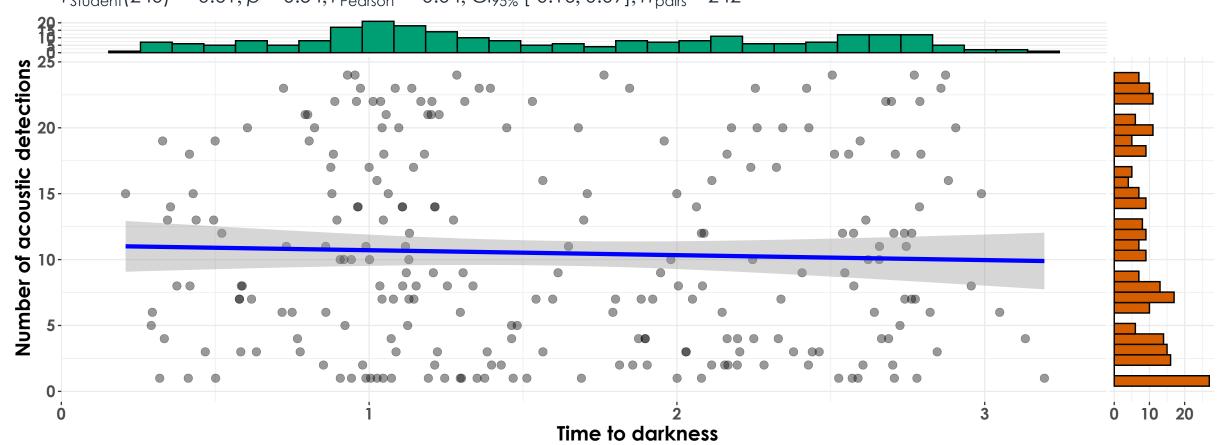
# dusk

$$t_{\text{Student}}(186) = -0.32, p = 0.75, \hat{r}_{\text{Pearson}} = -0.02, \text{Cl}_{95\%} \text{ [-0.17, 0.12]}, n_{\text{pairs}} = 188$$



$$log_{e}(BF_{01}) = 2.14$$
,  $\hat{\rho}_{Pearson}^{posterior} = -0.02$ ,  $Cl_{95\%}^{HDI}$  [-0.17, 0.12],  $r_{beta}^{JZS} = 1.41$ 

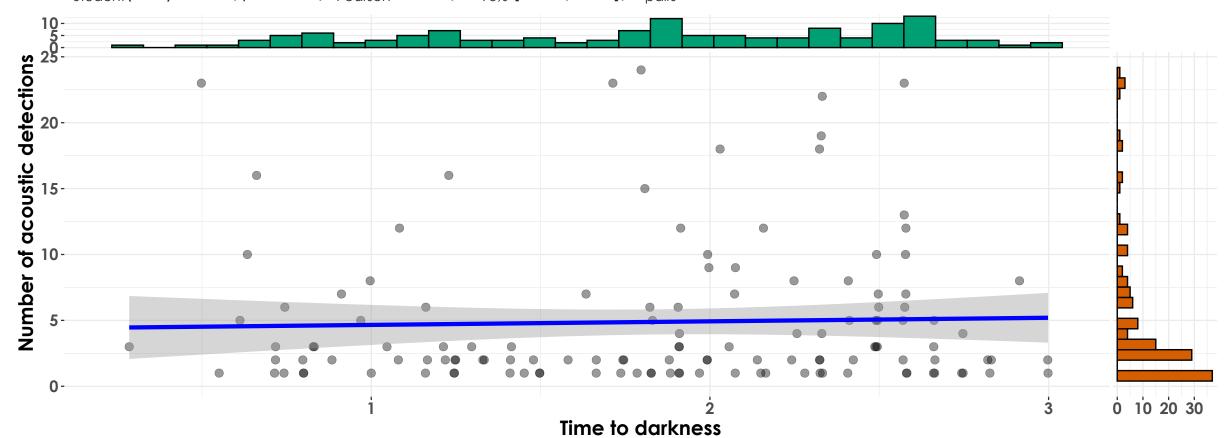
 $t_{\text{Student}}(240) = -0.61, p = 0.54, \hat{r}_{\text{Pearson}} = -0.04, \text{Cl}_{95\%} \text{ [-0.16, 0.09]}, n_{\text{pairs}} = 242$ 



$$log_e(BF_{01}) = 2.13$$
,  $\hat{\rho}_{Pearson}^{posterior} = -0.04$ ,  $Cl_{95\%}^{HDI}$  [-0.16, 0.09],  $r_{beta}^{JZS} = 1.41$ 

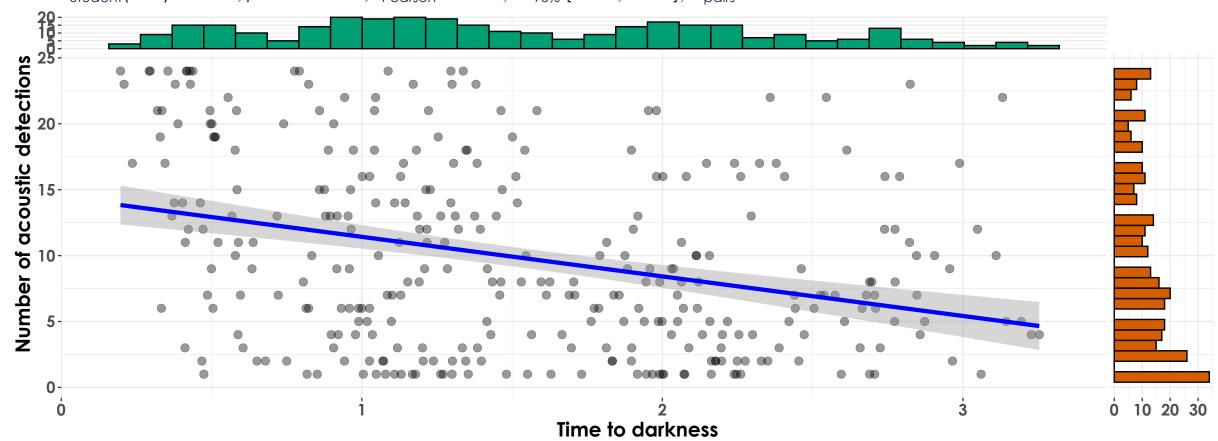
# dusk

 $t_{\text{Student}}(128) = 0.38, p = 0.70, \hat{r}_{\text{Pearson}} = 0.03, \text{Cl}_{95\%}$  [-0.14, 0.20],  $n_{\text{pairs}} = 130$ 



 $log_{e}(BF_{01}) = 1.93$ ,  $\hat{\rho}_{Pearson}^{posterior} = 0.03$ ,  $Cl_{95\%}^{HDI}$  [-0.14, 0.20],  $r_{beta}^{JZS} = 1.41$ 

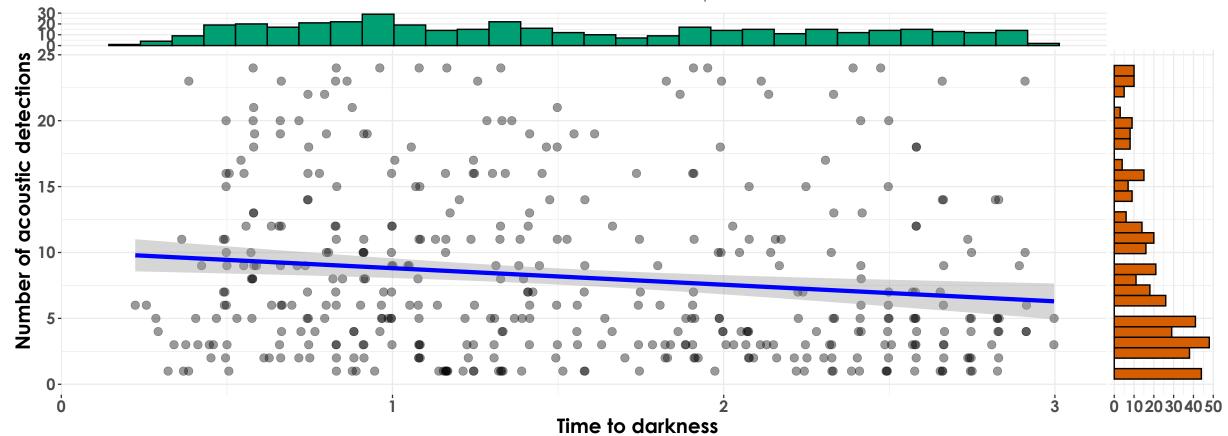
$$t_{\text{Student}}(317) = -6.14, p = 2.50e-09, \hat{r}_{\text{Pearson}} = -0.33, \text{Cl}_{95\%} \text{ [-0.42, -0.22]}, n_{\text{pairs}} = 319$$



 $log_{e}(BF_{01}) = -15.19$ ,  $\hat{\rho}_{Pearson}^{posterior} = -0.32$ ,  $Cl_{95\%}^{HDI}$  [-0.41, -0.22],  $r_{beta}^{JZS} = 1.41$ 

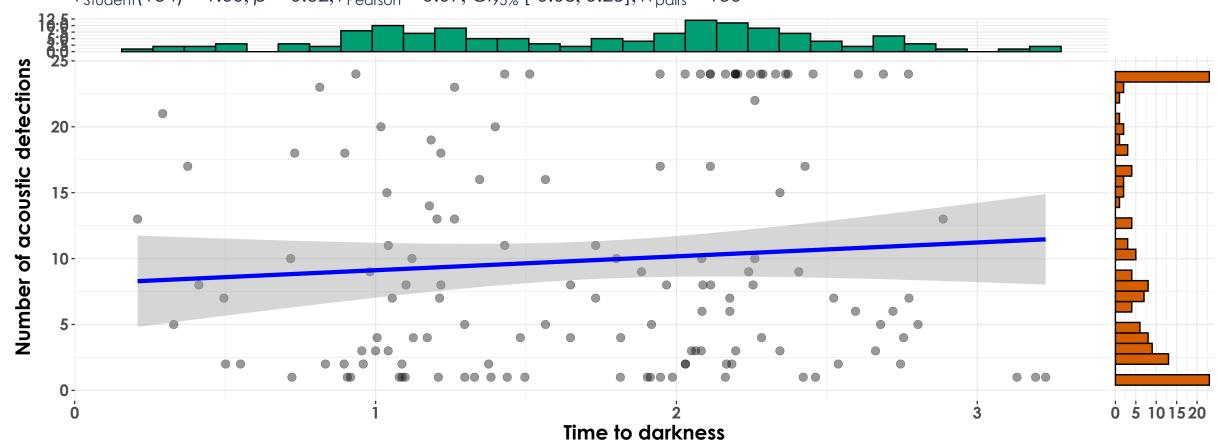
### dusk

$$t_{\text{Student}}(418) = -3.04, p = 2.54\text{e}-03, \hat{r}_{\text{Pearson}} = -0.15, \text{Cl}_{95\%} \text{ [-0.24, -0.05]}, n_{\text{pairs}} = 420$$



 $log_{e}(BF_{01}) = -1.94$ ,  $\hat{\rho}_{Pearson}^{posterior} = -0.15$ ,  $Cl_{95\%}^{HDI}$  [-0.24, -0.05],  $r_{beta}^{JZS} = 1.41$ 

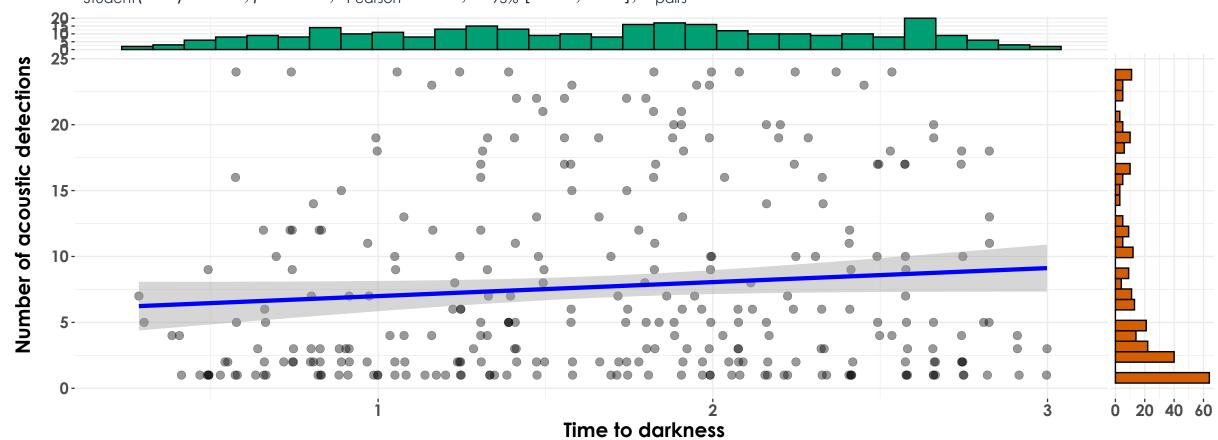
 $t_{\text{Student}}(134) = 1.00, p = 0.32, \hat{r}_{\text{Pearson}} = 0.09, \text{Cl}_{95\%} \text{ [-0.08, 0.25]}, n_{\text{pairs}} = 136$ 



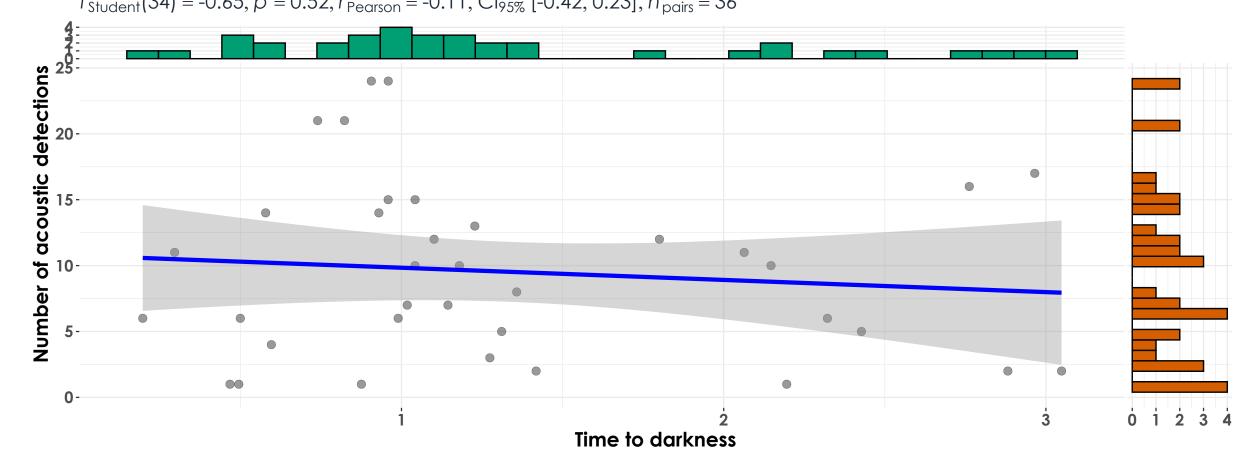
 $log_e(BF_{01}) = 1.54$ ,  $\hat{\rho}_{Pearson}^{posterior} = 0.09$ ,  $Cl_{95\%}^{HDI}$  [-0.07, 0.25],  $r_{beta}^{JZS} = 1.41$ 



 $t_{\text{Student}}(293) = 1.75, p = 0.08, \hat{r}_{\text{Pearson}} = 0.10, \text{Cl}_{95\%} \text{ [-0.01, 0.21]}, n_{\text{pairs}} = 295$ 



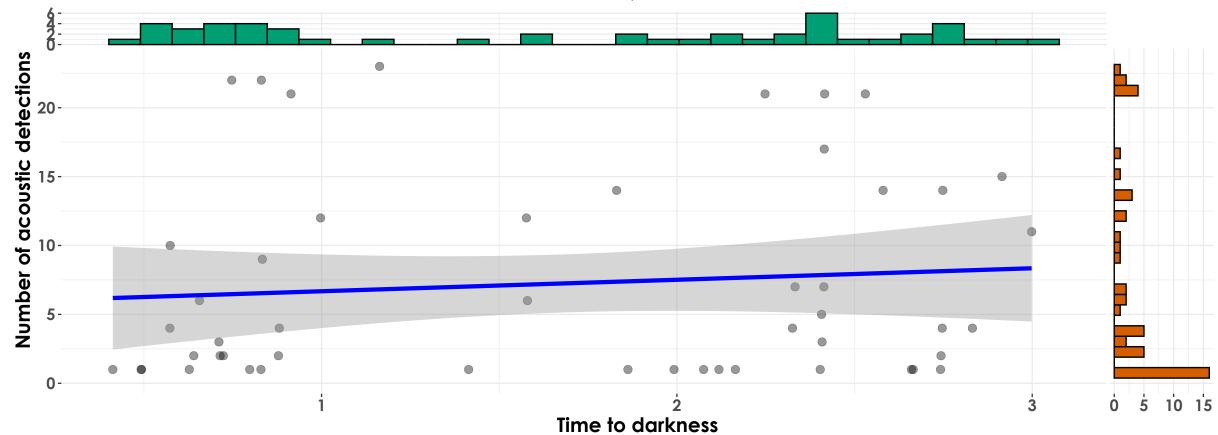
 $t_{\text{Student}}(34) = -0.65, p = 0.52, \hat{r}_{\text{Pearson}} = -0.11, \text{Cl}_{95\%} \text{ [-0.42, 0.23]}, n_{\text{pairs}} = 36$ 



 $log_{e}(BF_{01}) = 1.18$ ,  $\hat{\rho}_{Pearson}^{posterior} = -0.10$ ,  $Cl_{95\%}^{HDI}$  [-0.40, 0.22],  $r_{beta}^{JZS} = 1.41$ 

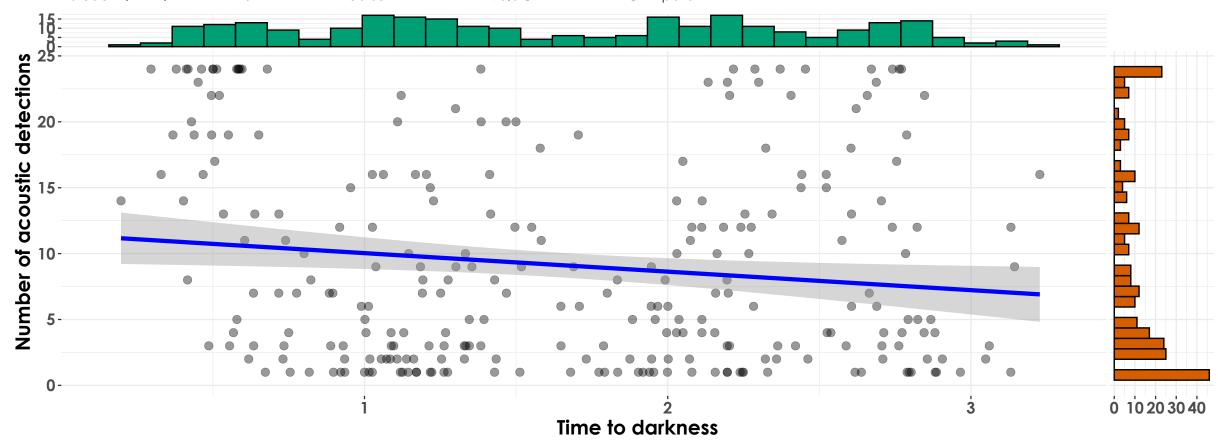
### dusk

 $t_{\text{Student}}(48) = 0.69, p = 0.50, \hat{r}_{\text{Pearson}} = 0.10, \text{Cl}_{95\%} \text{ [-0.18, 0.37]}, n_{\text{pairs}} = 50$ 



 $log_e(BF_{01}) = 1.31$ ,  $\hat{\rho}_{Pearson}^{posterior} = 0.09$ ,  $Cl_{95\%}^{HDI}$  [-0.17, 0.35],  $r_{beta}^{JZS} = 1.41$ 

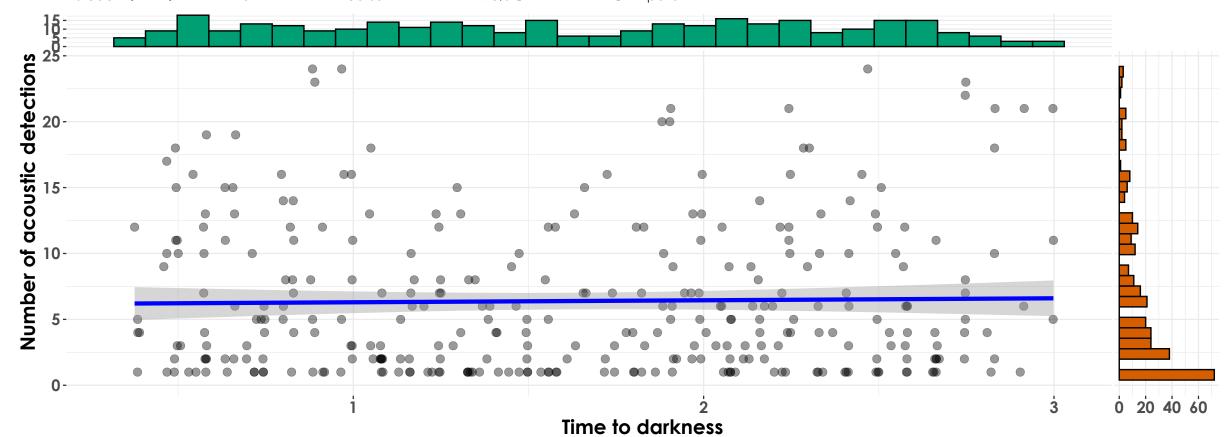
$$t_{\text{Student}}(265) = -2.34, p = 0.02, \hat{r}_{\text{Pearson}} = -0.14, \text{Cl}_{95\%} \text{ [-0.26, -0.02]}, n_{\text{pairs}} = 267$$



 $log_{e}(BF_{01}) = -0.33$ ,  $\hat{\rho}_{Pearson}^{posterior} = -0.14$ ,  $Cl_{95\%}^{HDI}$  [-0.26, -0.03],  $r_{beta}^{JZS} = 1.41$ 

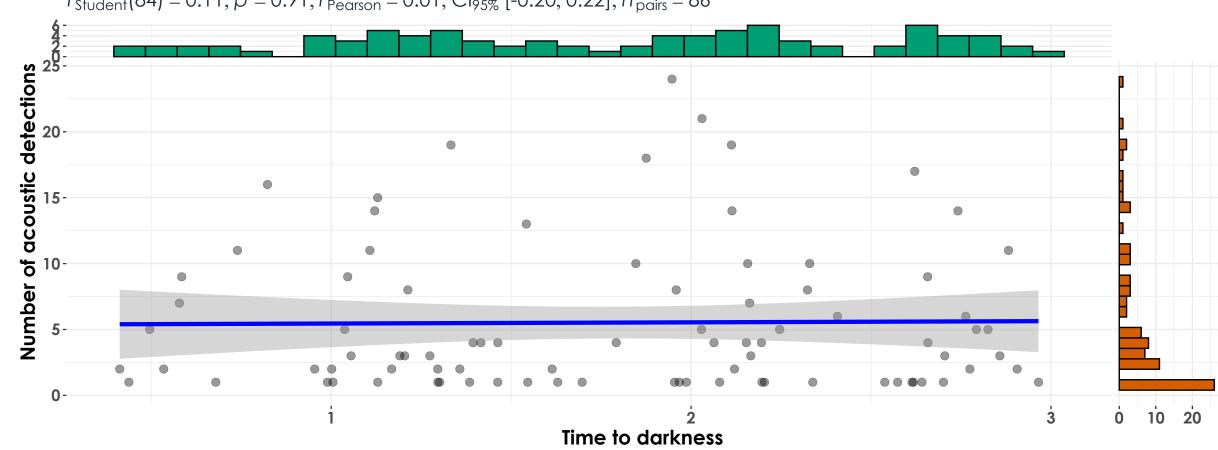
# dusk

$$t_{\text{Student}}(315) = 0.34, p = 0.73, \hat{r}_{\text{Pearson}} = 0.02, Cl_{95\%}$$
 [-0.09, 0.13],  $n_{\text{pairs}} = 317$ 



 $log_e(BF_{01}) = 2.39$ ,  $\hat{\rho}_{Pearson}^{posterior} = 0.02$ ,  $Cl_{95\%}^{HDI}$  [-0.09, 0.13],  $r_{beta}^{JZS} = 1.41$ 

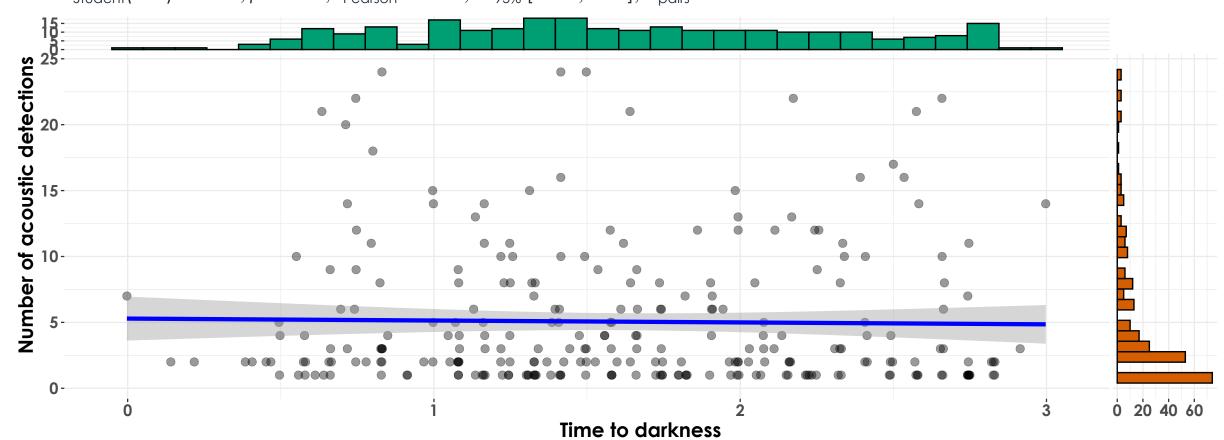
 $t_{\text{Student}}(84) = 0.11, p = 0.91, \hat{r}_{\text{Pearson}} = 0.01, \text{Cl}_{95\%}$  [-0.20, 0.22],  $n_{\text{pairs}} = 86$ 



 $log_e(BF_{01}) = 1.80$ ,  $\widehat{\rho}_{Pearson}^{posterior} = 8.58e-03$ ,  $Cl_{95\%}^{HDI}$  [-0.19, 0.22],  $r_{beta}^{JZS} = 1.41$ 

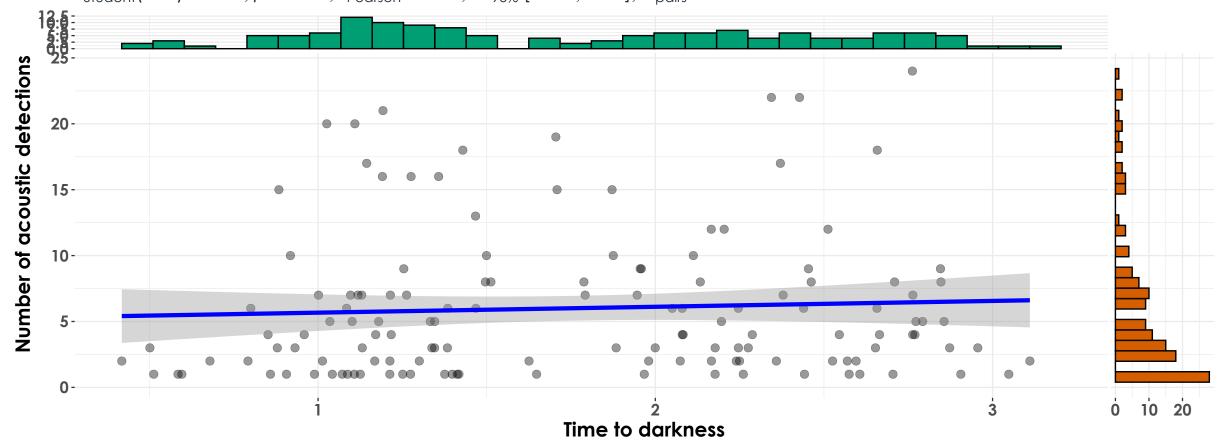
# dusk

 $t_{\text{Student}}(260) = -0.30, p = 0.76, \hat{r}_{\text{Pearson}} = -0.02, \text{Cl}_{95\%} \text{ [-0.14, 0.10]}, n_{\text{pairs}} = 262$ 



 $log_{e}(BF_{01}) = 2.31$ ,  $\hat{\rho}_{Pearson}^{posterior} = -0.01$ ,  $Cl_{95\%}^{HDI}$  [-0.13, 0.11],  $r_{beta}^{JZS} = 1.41$ 

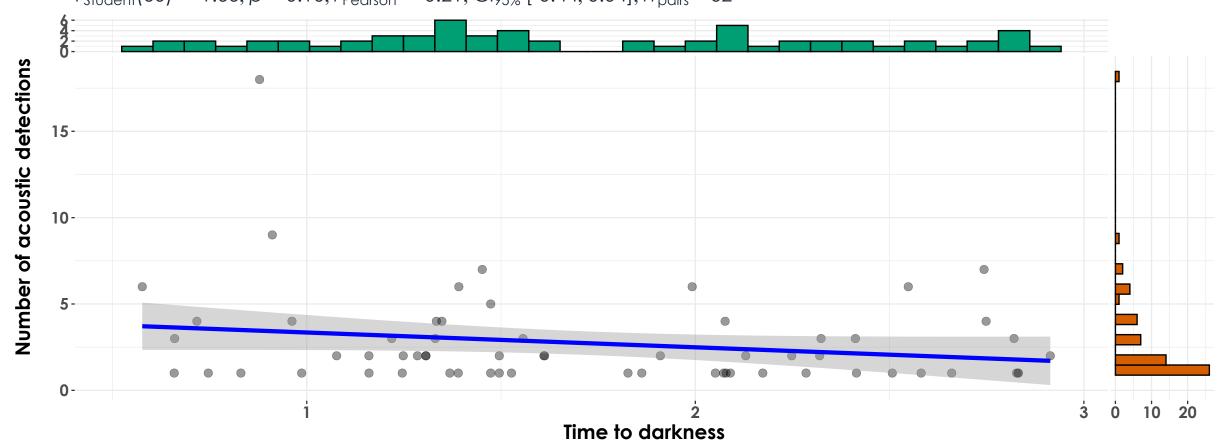
 $t_{\text{Student}}(135) = 0.65, p = 0.52, \hat{r}_{\text{Pearson}} = 0.06, \text{Cl}_{95\%}$  [-0.11, 0.22],  $n_{\text{pairs}} = 137$ 



 $log_e(BF_{01}) = 1.82$ ,  $\hat{\rho}_{Pearson}^{posterior} = 0.05$ ,  $Cl_{95\%}^{HDI}$  [-0.11, 0.22],  $r_{beta}^{JZS} = 1.41$ 

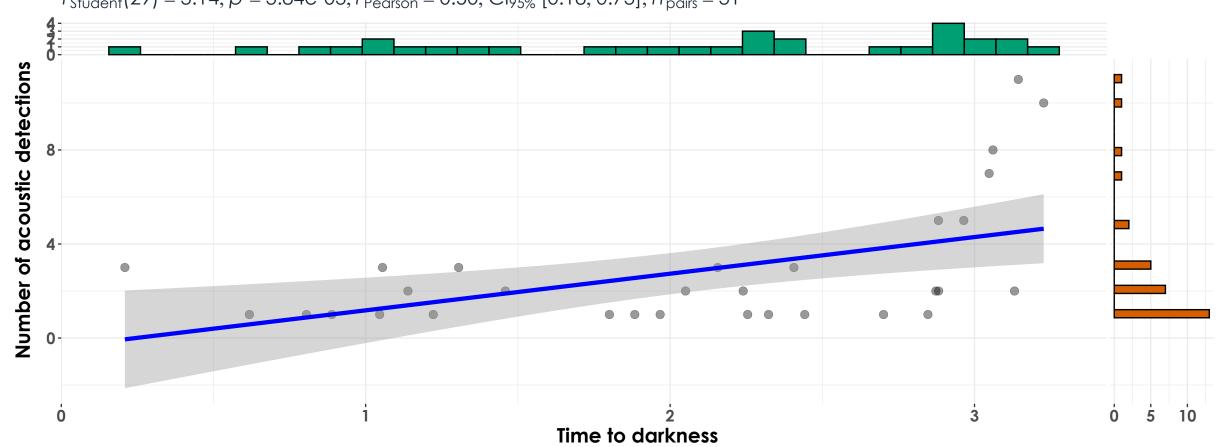


 $t_{\text{Student}}(60) = -1.66, p = 0.10, \hat{r}_{\text{Pearson}} = -0.21, \text{Cl}_{95\%} \text{ [-0.44, 0.04]}, n_{\text{pairs}} = 62$ 



 $log_{e}(BF_{01}) = 0.35, \hat{\rho}_{Pearson}^{posterior} = -0.19, Cl_{95\%}^{HDI} [-0.42, 0.05], r_{beta}^{JZS} = 1.41$ 

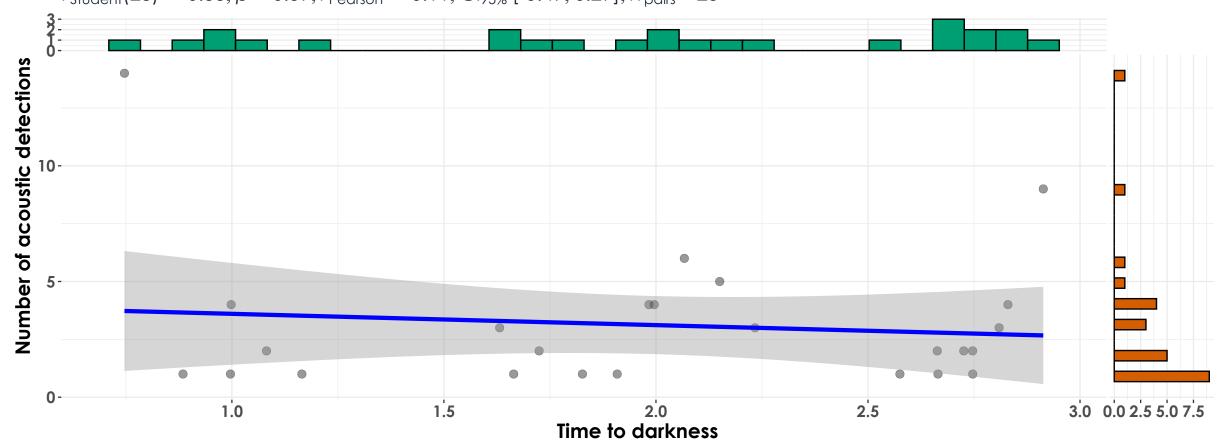
 $t_{\text{Student}}(29) = 3.14, p = 3.84\text{e-}03, \hat{r}_{\text{Pearson}} = 0.50, \text{Cl}_{95\%} [0.18, 0.73], n_{\text{pairs}} = 31$ 



 $log_{e}(BF_{01}) = -2.59$ ,  $\hat{\rho}_{Pearson}^{posterior} = 0.47$ ,  $Cl_{95\%}^{HDI}$  [0.16, 0.71],  $r_{beta}^{JZS} = 1.41$ 

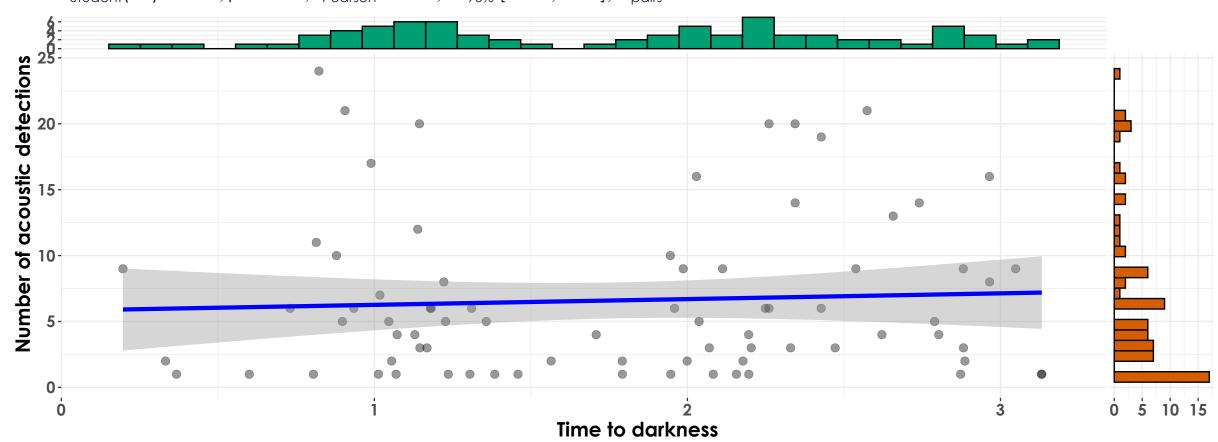


 $t_{\text{Student}}(23) = -0.55, p = 0.59, \hat{r}_{\text{Pearson}} = -0.11, \text{Cl}_{95\%} \text{ [-0.49, 0.29]}, n_{\text{pairs}} = 25$ 



$$log_{e}(BF_{01}) = 1.07, \hat{\rho}_{Pearson}^{posterior} = -0.11, Cl_{95\%}^{HDI} [-0.44, 0.29], r_{beta}^{JZS} = 1.41$$

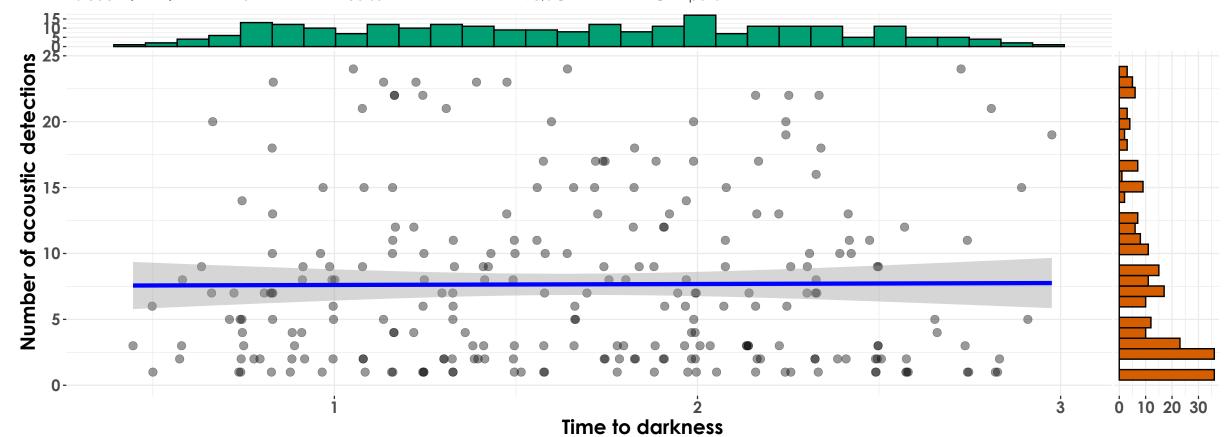
 $t_{\text{Student}}(76) = 0.49, p = 0.62, \hat{r}_{\text{Pearson}} = 0.06, \text{Cl}_{95\%}$  [-0.17, 0.28],  $n_{\text{pairs}} = 78$ 



 $log_e(BF_{01}) = 1.64$ ,  $\hat{\rho}_{Pearson}^{posterior} = 0.05$ ,  $Cl_{95\%}^{HDI}$  [-0.17, 0.26],  $r_{beta}^{JZS} = 1.41$ 

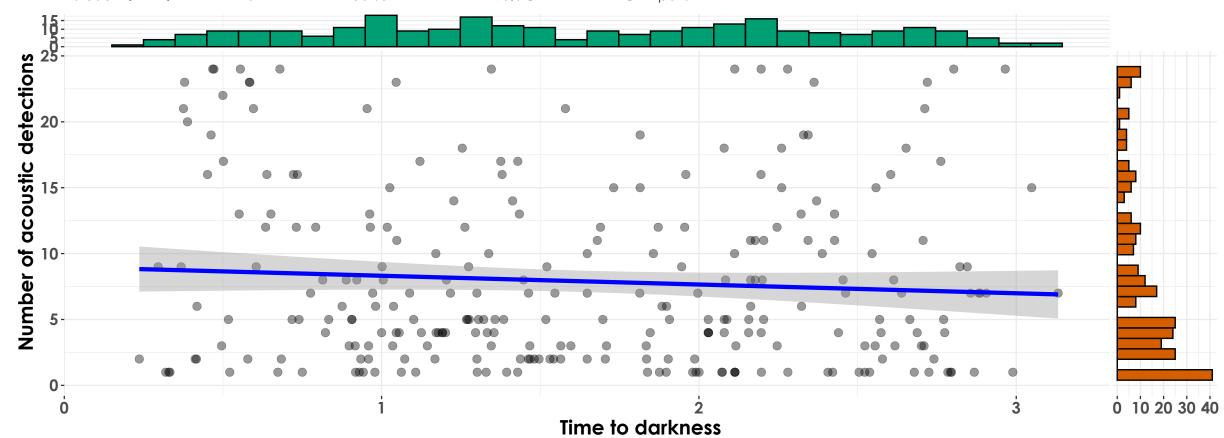
# dusk

 $t_{\text{Student}}(245) = 0.11, p = 0.91, \hat{r}_{\text{Pearson}} = 7.12\text{e-}03, \text{Cl}_{95\%}$  [-0.12, 0.13],  $n_{\text{pairs}} = 247$ 



 $log_{e}(BF_{01}) = 2.32$ ,  $\hat{\rho}_{Pearson}^{posterior} = 6.55e-03$ ,  $Cl_{95\%}^{HDI}$  [-0.12, 0.13],  $r_{beta}^{JZS} = 1.41$ 

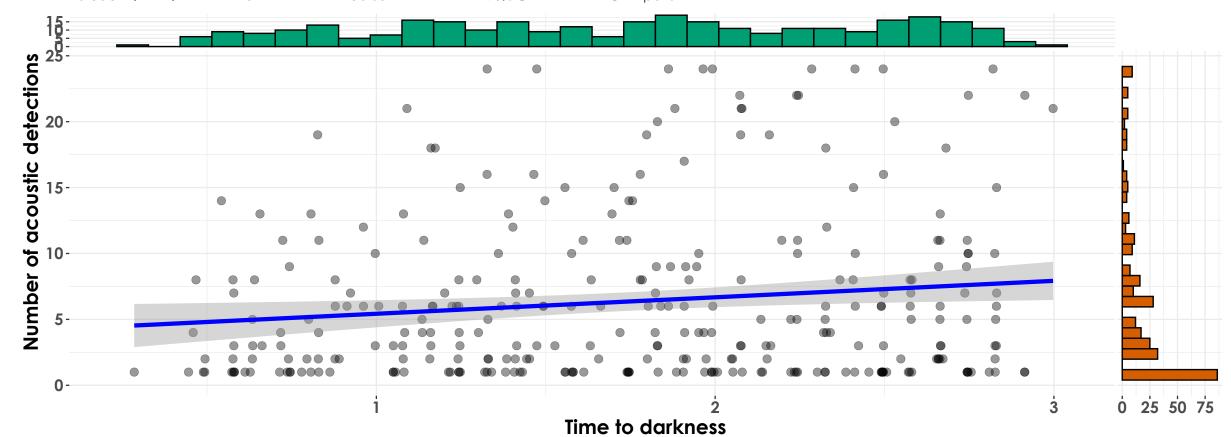
 $t_{\text{Student}}(262) = -1.20, p = 0.23, \hat{r}_{\text{Pearson}} = -0.07, \text{Cl}_{95\%} \text{ [-0.19, 0.05]}, n_{\text{pairs}} = 264$ 



$$log_{e}(BF_{01}) = 1.64$$
,  $\hat{\rho}_{Pearson}^{posterior} = -0.07$ ,  $Cl_{95\%}^{HDI}$  [-0.19, 0.06],  $r_{beta}^{JZS} = 1.41$ 

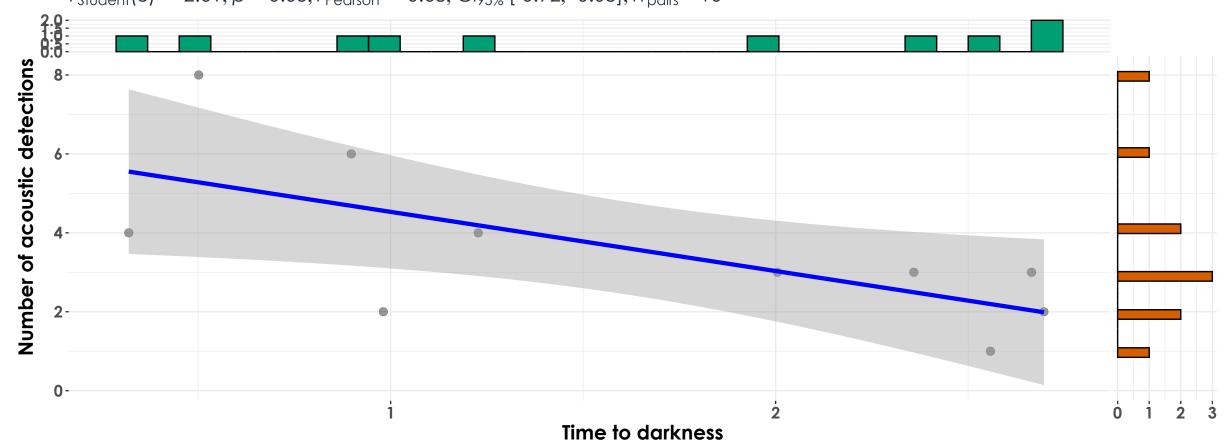
# dusk

 $t_{\text{Student}}(303) = 2.43, p = 0.02, \hat{r}_{\text{Pearson}} = 0.14, \text{Cl}_{95\%}[0.03, 0.25], n_{\text{pairs}} = 305$ 



 $log_{e}(BF_{01}) = -0.46$ ,  $\hat{\rho}_{Pearson}^{posterior} = 0.14$ ,  $Cl_{95\%}^{HDI}$  [0.03, 0.25],  $r_{beta}^{JZS} = 1.41$ 

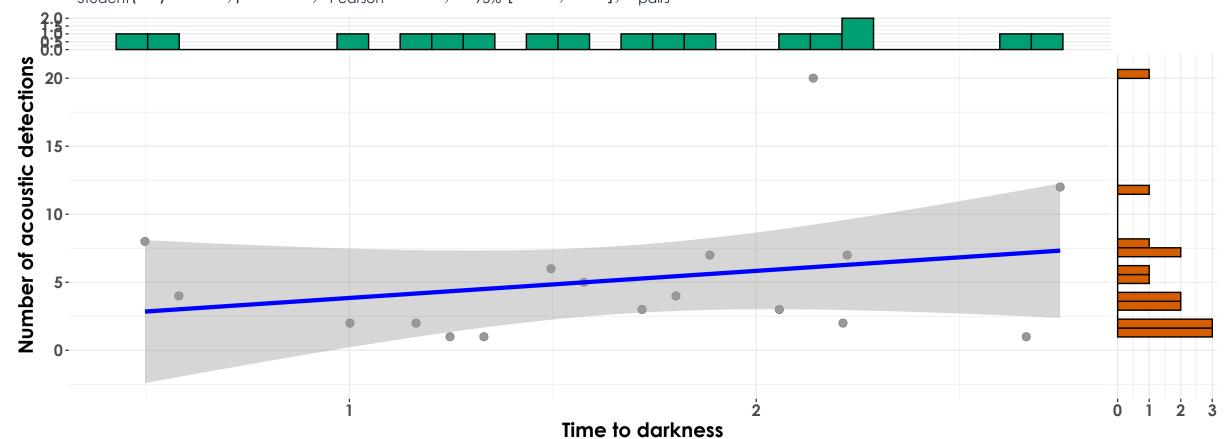
 $t_{\text{Student}}(8) = -2.61, p = 0.03, \hat{r}_{\text{Pearson}} = -0.68, \text{Cl}_{95\%}$  [-0.92, -0.08],  $n_{\text{pairs}} = 10$ 



$$log_e(BF_{01}) = -1.12$$
,  $\hat{\rho}_{Pearson}^{posterior} = -0.54$ ,  $Cl_{95\%}^{HDI}$  [-0.89, -0.06],  $r_{beta}^{JZS} = 1.41$ 

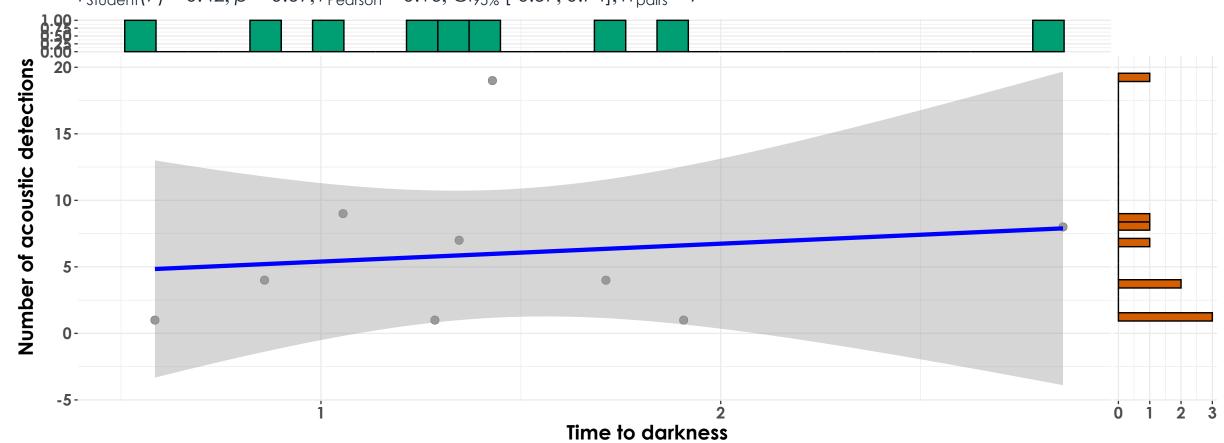
### dusk

 $t_{\text{Student}}(15) = 1.07, p = 0.30, \hat{r}_{\text{Pearson}} = 0.27, \text{Cl}_{95\%} \text{ [-0.24, 0.66]}, n_{\text{pairs}} = 17$ 



 $log_{e}(BF_{01}) = 0.54$ ,  $\widehat{\rho}_{Pearson}^{posterior} = 0.23$ ,  $Cl_{95\%}^{HDI}$  [-0.22, 0.61],  $r_{beta}^{JZS} = 1.41$ 

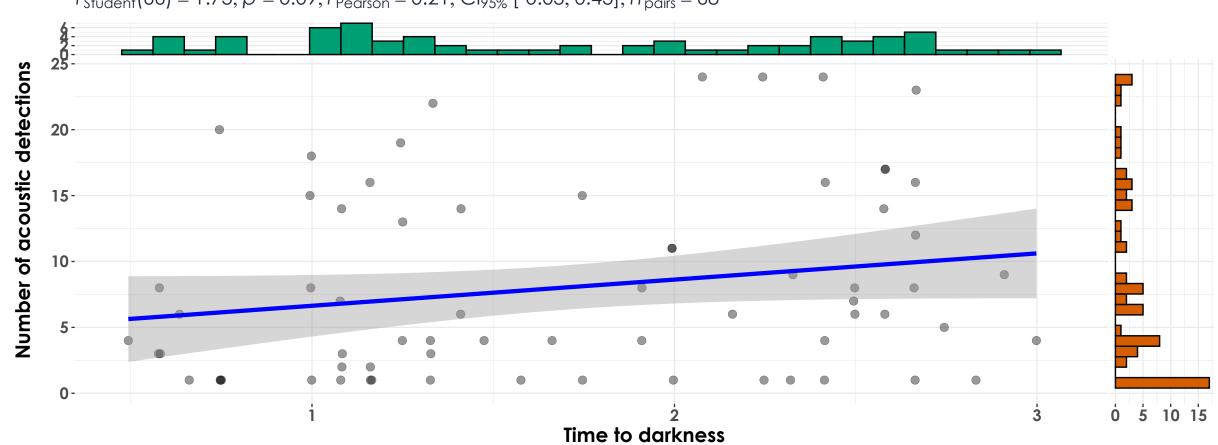
 $t_{\text{Student}}(7) = 0.42, p = 0.69, \hat{r}_{\text{Pearson}} = 0.16, \text{Cl}_{95\%} \text{ [-0.57, 0.74]}, n_{\text{pairs}} = 9$ 



 $log_e(BF_{01}) = 0.67$ ,  $\hat{\rho}_{Pearson}^{posterior} = 0.11$ ,  $Cl_{95\%}^{HDI}$  [-0.50, 0.60],  $r_{beta}^{JZS} = 1.41$ 

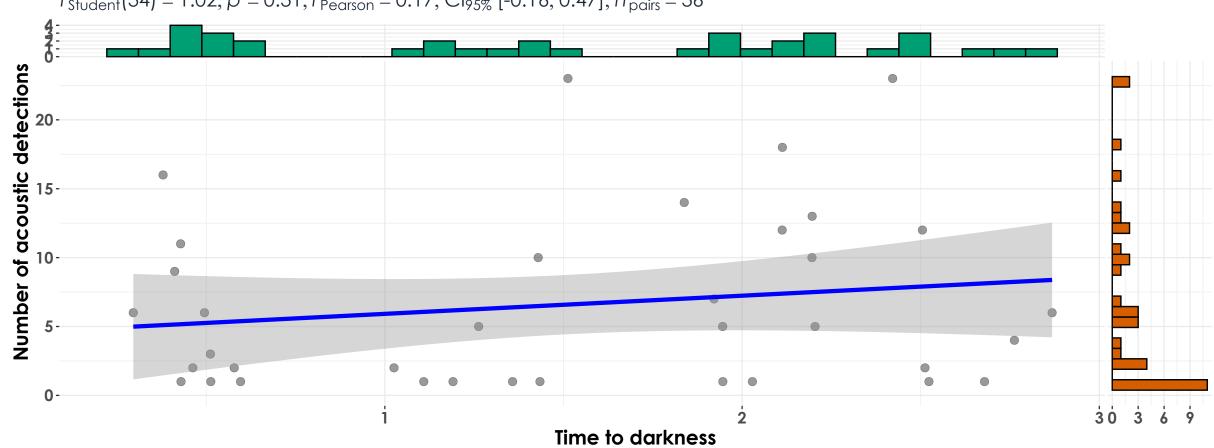
# dusk

 $t_{\text{Student}}(66) = 1.73, p = 0.09, \hat{r}_{\text{Pearson}} = 0.21, \text{Cl}_{95\%} \text{ [-0.03, 0.43]}, n_{\text{pairs}} = 68$ 



 $log_{e}(BF_{01}) = 0.28$ ,  $\widehat{\rho}_{Pearson}^{posterior} = 0.20$ ,  $Cl_{95\%}^{HDI}$  [-0.04, 0.40],  $r_{beta}^{JZS} = 1.41$ 

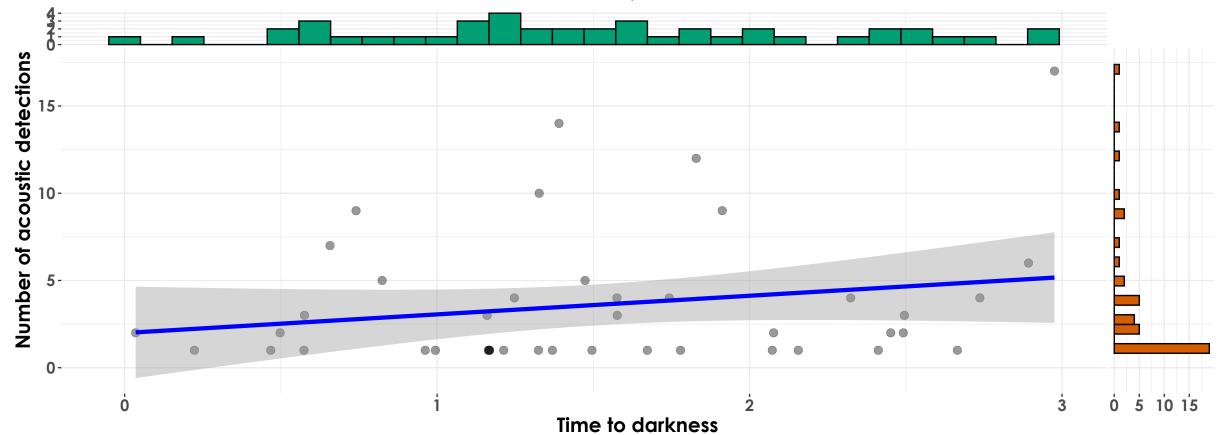
 $t_{\text{Student}}(34) = 1.02, p = 0.31, \hat{r}_{\text{Pearson}} = 0.17, \text{Cl}_{95\%}$  [-0.16, 0.47],  $n_{\text{pairs}} = 36$ 



 $log_{e}(BF_{01}) = 0.90, \hat{\rho}_{Pearson}^{posterior} = 0.16, Cl_{95\%}^{HDI} [-0.17, 0.45], r_{beta}^{JZS} = 1.41$ 

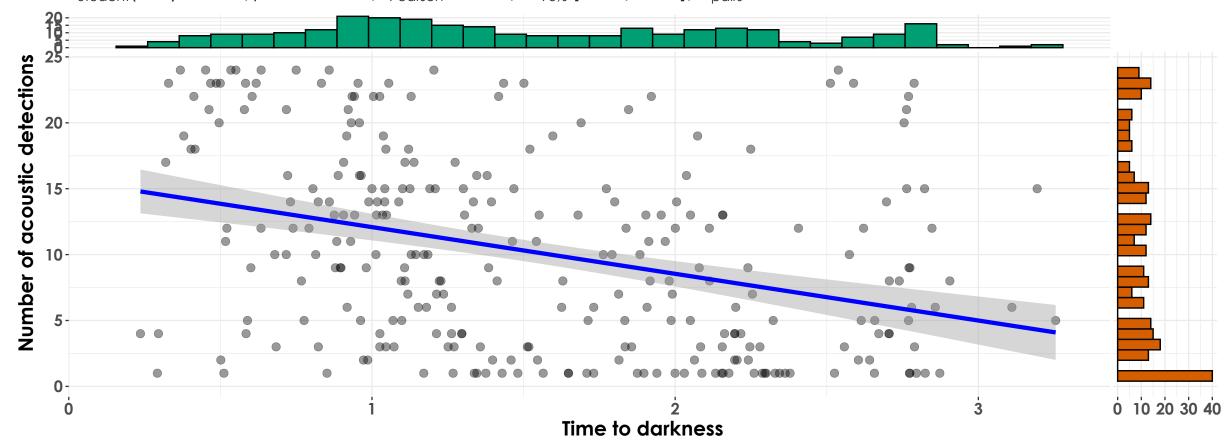


 $t_{\text{Student}}(41) = 1.36, p = 0.18, \hat{r}_{\text{Pearson}} = 0.21, \text{Cl}_{95\%} \text{ [-0.10, 0.48]}, n_{\text{pairs}} = 43$ 



 $log_e(BF_{01}) = 0.61$ ,  $\hat{\rho}_{Pearson}^{posterior} = 0.19$ ,  $Cl_{95\%}^{HDI}$  [-0.08, 0.46],  $r_{beta}^{JZS} = 1.41$ 

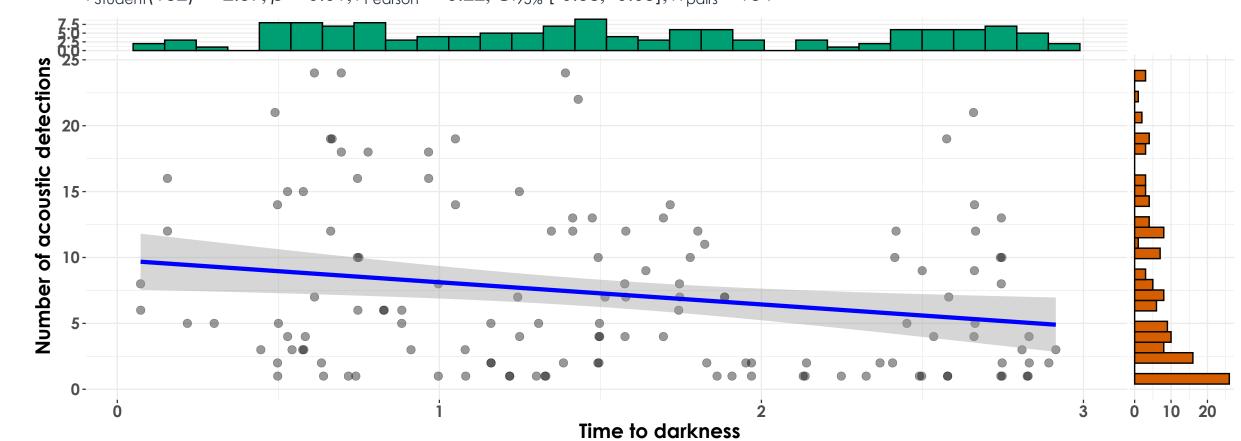
$$t_{\text{Student}}(276) = -6.25, p = 1.56\text{e-}09, \hat{r}_{\text{Pearson}} = -0.35, \text{Cl}_{95\%} \text{ [-0.45, -0.24]}, n_{\text{pairs}} = 278$$



 $log_{e}(BF_{01}) = -15.69$ ,  $\hat{\rho}_{Pearson}^{posterior} = -0.35$ ,  $Cl_{95\%}^{HDI}$  [-0.45, -0.25],  $r_{beta}^{JZS} = 1.41$ 

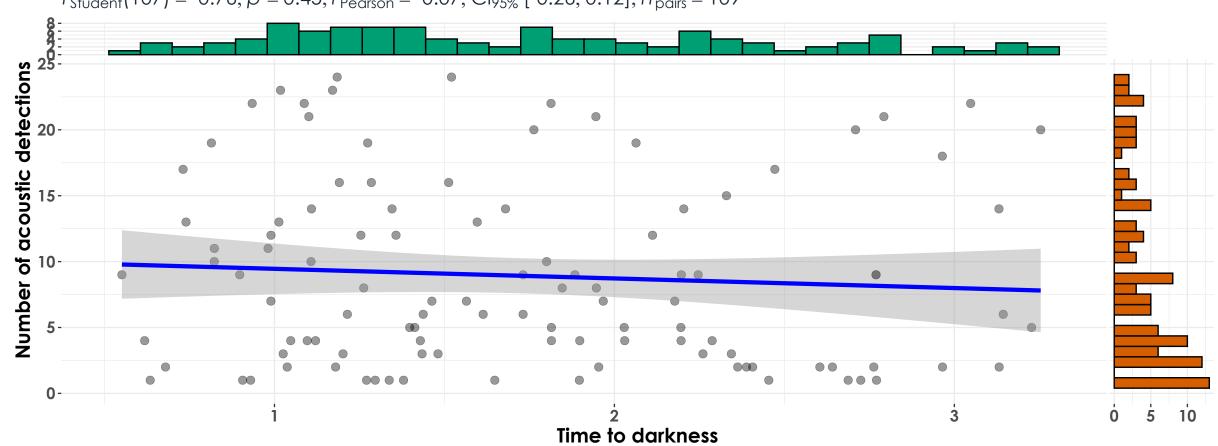
# dusk

$$t_{\text{Student}}(132) = -2.59, p = 0.01, \hat{r}_{\text{Pearson}} = -0.22, \text{Cl}_{95\%} \text{ [-0.38, -0.05]}, n_{\text{pairs}} = 134$$



 $log_{e}(BF_{01}) = -1.19$ ,  $\hat{\rho}_{Pearson}^{posterior} = -0.22$ ,  $Cl_{95\%}^{HDI}$  [-0.37, -0.05],  $r_{beta}^{JZS} = 1.41$ 

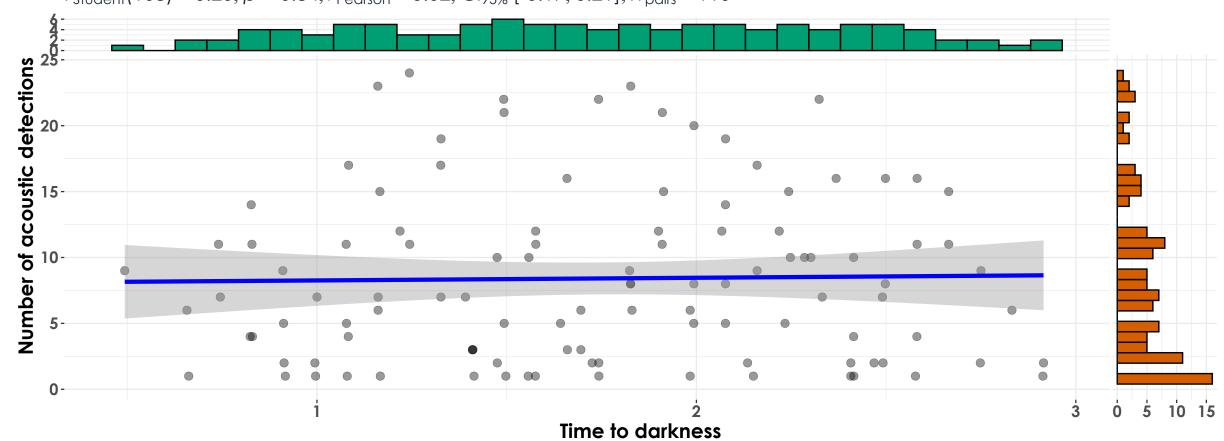
 $t_{\text{Student}}(107) = -0.76, p = 0.45, \hat{r}_{\text{Pearson}} = -0.07, \text{Cl}_{95\%} \text{ [-0.26, 0.12]}, n_{\text{pairs}} = 109$ 



 $log_{e}(BF_{01}) = 1.63$ ,  $\hat{\rho}_{Pearson}^{posterior} = -0.07$ ,  $Cl_{95\%}^{HDI}$  [-0.25, 0.11],  $r_{beta}^{JZS} = 1.41$ 

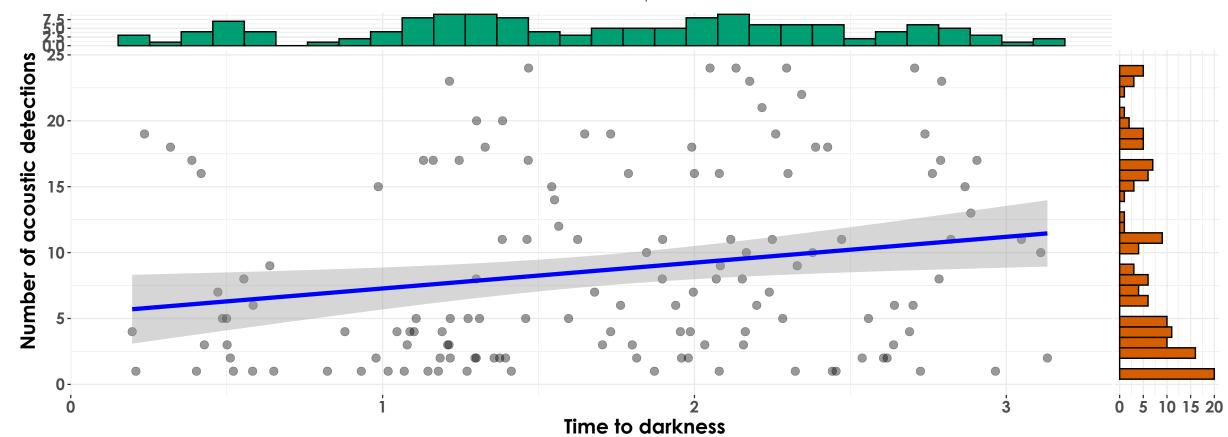
# dusk

 $t_{\text{Student}}(108) = 0.20, p = 0.84, \hat{r}_{\text{Pearson}} = 0.02, \text{Cl}_{95\%}$  [-0.17, 0.21],  $n_{\text{pairs}} = 110$ 



 $log_e(BF_{01}) = 1.90, \hat{\rho}_{Pearson}^{posterior} = 0.02, Cl_{95\%}^{HDI} [-0.17, 0.21], r_{beta}^{JZS} = 1.41$ 

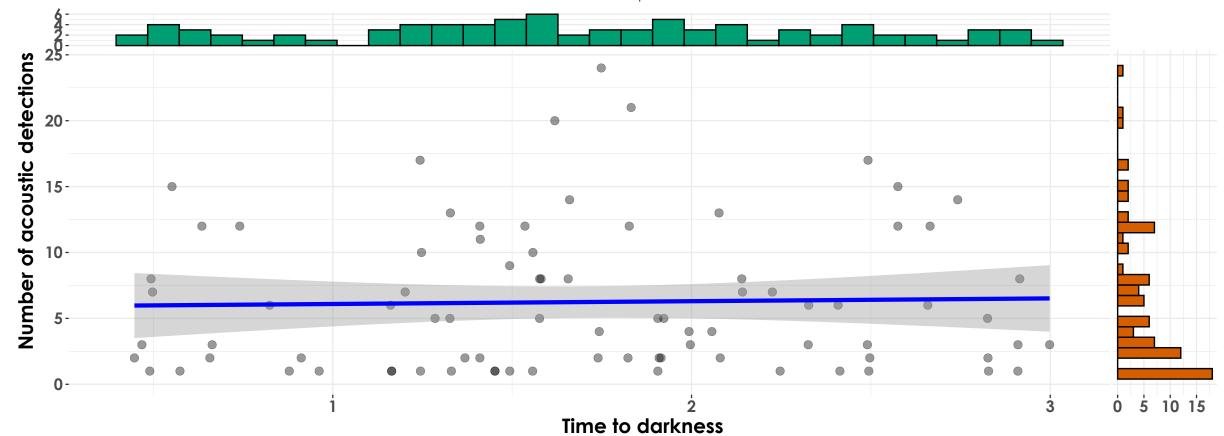
$$t_{\text{Student}}(138) = 2.49, p = 0.01, \hat{r}_{\text{Pearson}} = 0.21, \text{Cl}_{95\%}[0.04, 0.36], n_{\text{pairs}} = 140$$



 $log_{e}(BF_{01}) = -0.92$ ,  $\hat{\rho}_{Pearson}^{posterior} = 0.20$ ,  $Cl_{95\%}^{HDI}$  [0.04, 0.36],  $r_{beta}^{JZS} = 1.41$ 



$$t_{\text{Student}}(81) = 0.25, p = 0.81, \hat{r}_{\text{Pearson}} = 0.03, \text{Cl}_{95\%} \text{ [-0.19, 0.24]}, n_{\text{pairs}} = 83$$



 $log_e(BF_{01}) = 1.76$ ,  $\hat{\rho}_{Pearson}^{posterior} = 0.03$ ,  $Cl_{95\%}^{HDI}$  [-0.19, 0.23],  $r_{beta}^{JZS} = 1.41$ 



#Student(18) = -0.65, p = 0.52, r̂\_Pearson = -0.15, Cl<sub>95%</sub> [-0.56, 0.31], n<sub>poirs</sub> = 20

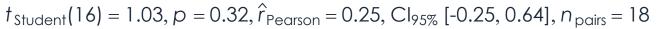
Time to darkness

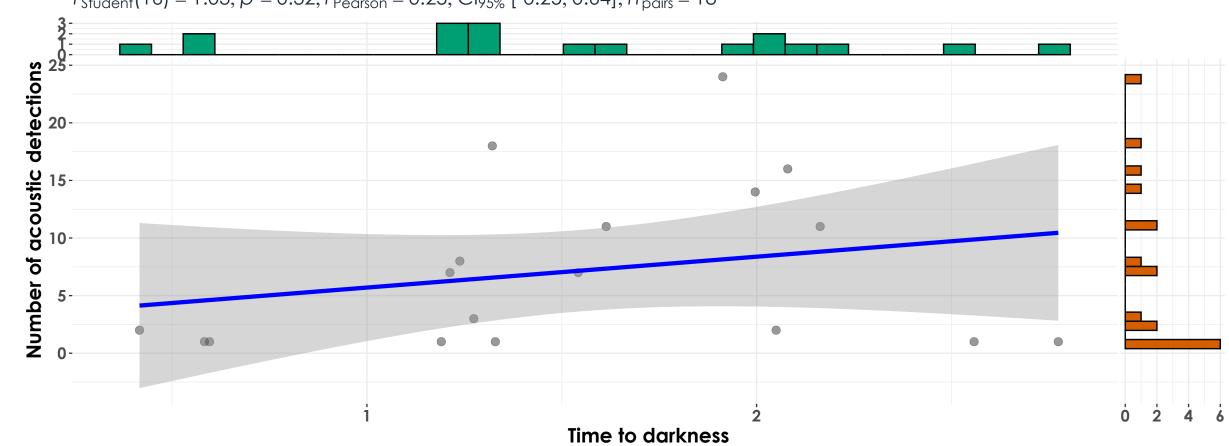
 $log_{e}(BF_{01}) = 0.91$ ,  $\widehat{\rho}_{Pearson}^{posterior} = -0.14$ ,  $Cl_{95\%}^{HDI}$  [-0.52, 0.27],  $r_{beta}^{JZS} = 1.41$ 



t<sub>Student</sub>(17) = -0.60, p = 0.56, t̂<sub>Pearson</sub> = -0.14, Cl<sub>95%</sub> [-0.56, 0.33], n<sub>pairs</sub> = 19

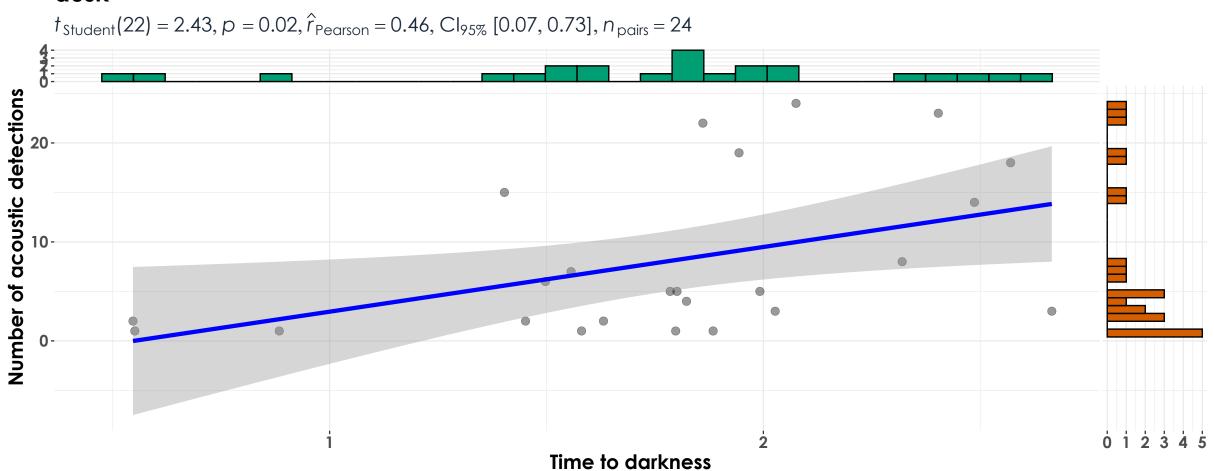
 $log_{e}(BF_{01}) = 0.92$ ,  $\hat{\rho}_{Pearson}^{posterior} = -0.12$ ,  $Cl_{95\%}^{HDI}$  [-0.50, 0.32],  $r_{beta}^{JZS} = 1.41$ 





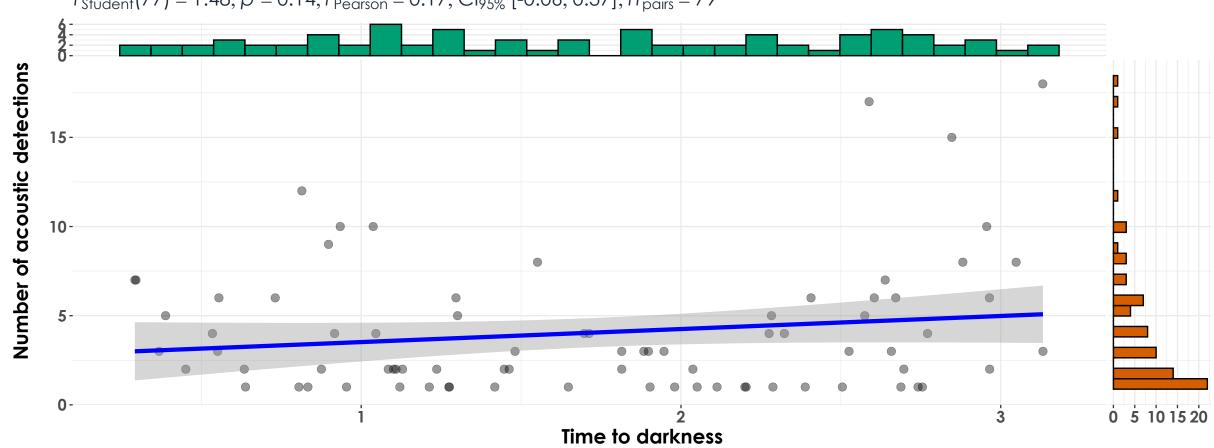
 $log_e(BF_{01}) = 0.60$ ,  $\hat{\rho}_{Pearson}^{posterior} = 0.22$ ,  $Cl_{95\%}^{HDI}$  [-0.23, 0.59],  $r_{beta}^{JZS} = 1.41$ 





$$log_{e}(BF_{01}) = -1.16$$
,  $\hat{\rho}_{Pearson}^{posterior} = 0.41$ ,  $Cl_{95\%}^{HDI}$  [0.09, 0.71],  $r_{beta}^{JZS} = 1.41$ 

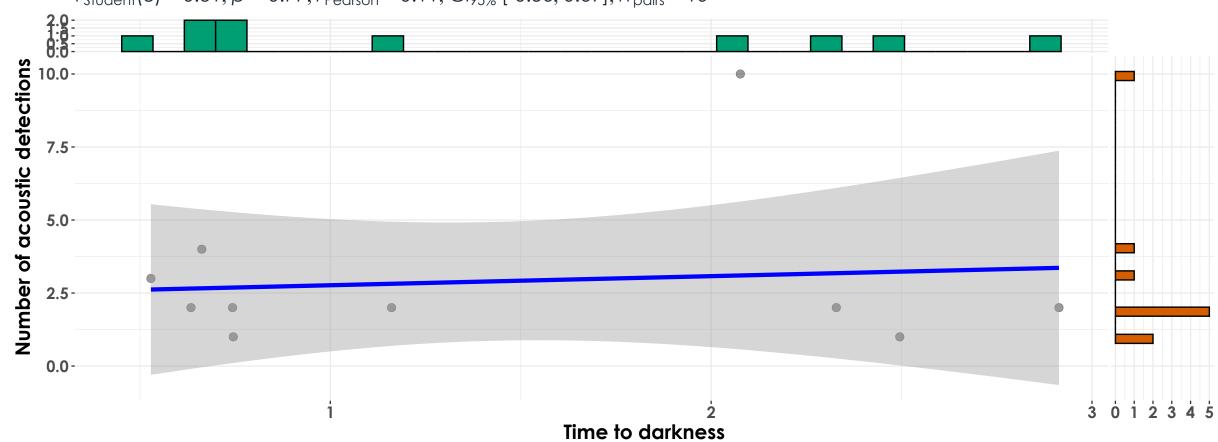
 $t_{\text{Student}}(77) = 1.48, p = 0.14, \hat{r}_{\text{Pearson}} = 0.17, \text{Cl}_{95\%} \text{ [-0.06, 0.37]}, n_{\text{pairs}} = 79$ 



 $log_e(BF_{01}) = 0.72$ ,  $\hat{\rho}_{Pearson}^{posterior} = 0.16$ ,  $Cl_{95\%}^{HDI}$  [-0.06, 0.37],  $r_{beta}^{JZS} = 1.41$ 

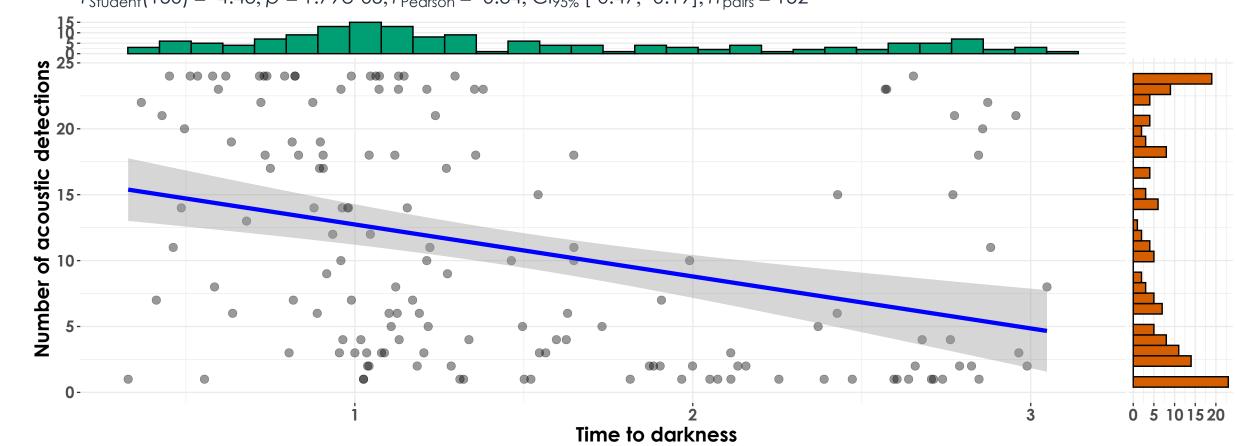
# dusk

 $t_{\text{Student}}(8) = 0.31, p = 0.77, \hat{r}_{\text{Pearson}} = 0.11, \text{Cl}_{95\%} \text{ [-0.56, 0.69]}, n_{\text{pairs}} = 10$ 



 $log_e(BF_{01}) = 0.74$ ,  $\hat{\rho}_{Pearson}^{posterior} = 0.08$ ,  $Cl_{95\%}^{HDI}$  [-0.46, 0.60],  $r_{beta}^{JZS} = 1.41$ 

$$t_{\text{Student}}(150) = -4.43, p = 1.79e-05, \hat{r}_{\text{Pearson}} = -0.34, \text{Cl}_{95\%} \text{ [-0.47, -0.19]}, n_{\text{pairs}} = 152$$



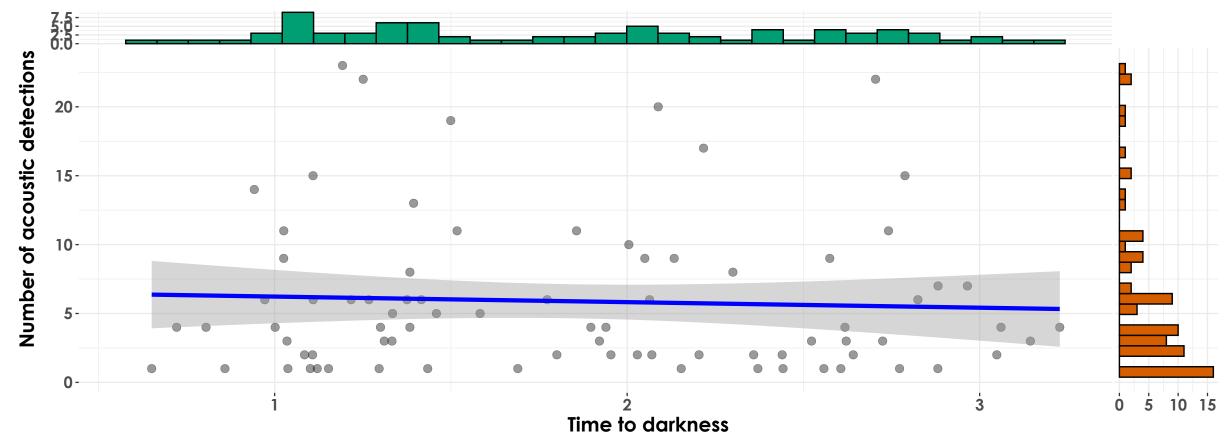
 $log_e(BF_{01}) = -6.98$ ,  $\hat{\rho}_{Pearson}^{posterior} = -0.33$ ,  $Cl_{95\%}^{HDI}$  [-0.47, -0.19],  $r_{beta}^{JZS} = 1.41$ 

# dusk

Time to darkness

$$log_{e}(BF_{01}) = 1.16, \hat{\rho}_{Pearson}^{posterior} = -0.05, Cl_{95\%}^{HDI} [-0.42, 0.32], r_{beta}^{JZS} = 1.41$$

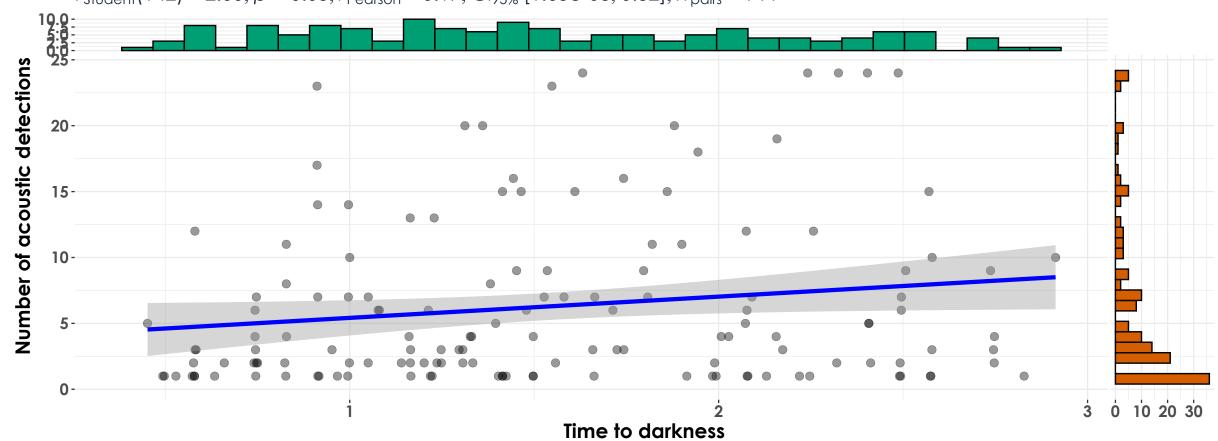
$$t_{\text{Student}}(78) = -0.45, p = 0.65, \hat{r}_{\text{Pearson}} = -0.05, \text{Cl}_{95\%} \text{ [-0.27, 0.17]}, n_{\text{pairs}} = 80$$



 $log_{e}(BF_{01}) = 1.67$ ,  $\widehat{\rho}_{Pearson}^{posterior} = -0.05$ ,  $Cl_{95\%}^{HDI}$  [-0.28, 0.15],  $r_{beta}^{JZS} = 1.41$ 

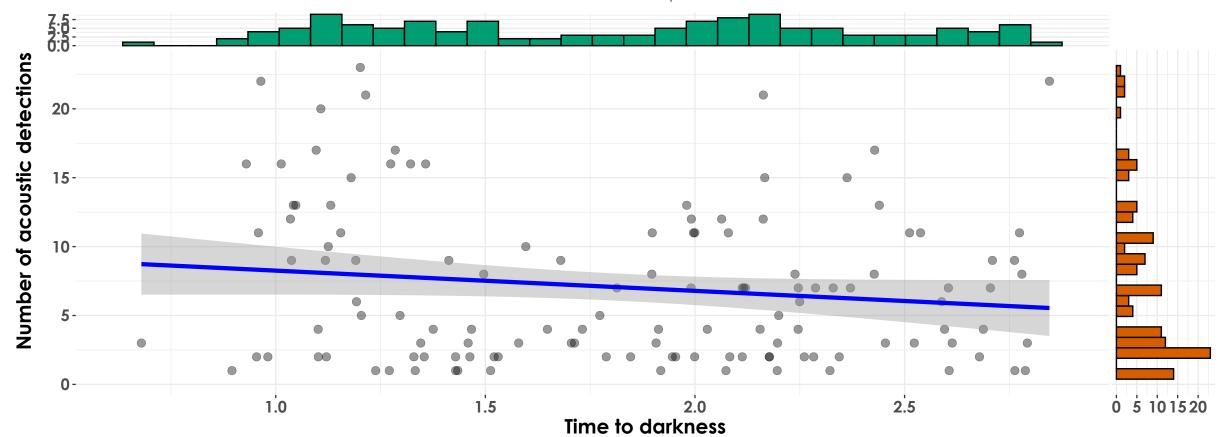
# dusk

$$t_{\text{Student}}(142) = 2.00, p = 0.05, \hat{r}_{\text{Pearson}} = 0.17, \text{Cl}_{95\%} \text{ [1.65e-03, 0.32]}, n_{\text{pairs}} = 144$$



 $log_{e}(BF_{01}) = 0.13$ ,  $\widehat{\rho}_{Pearson}^{posterior} = 0.16$ ,  $Cl_{95\%}^{HDI}$  [0.01, 0.32],  $r_{beta}^{JZS} = 1.41$ 

$$t_{\text{Student}}(125) = -1.67, p = 0.10, \hat{r}_{\text{Pearson}} = -0.15, \text{Cl}_{95\%} \text{ [-0.31, 0.03]}, n_{\text{pairs}} = 127$$



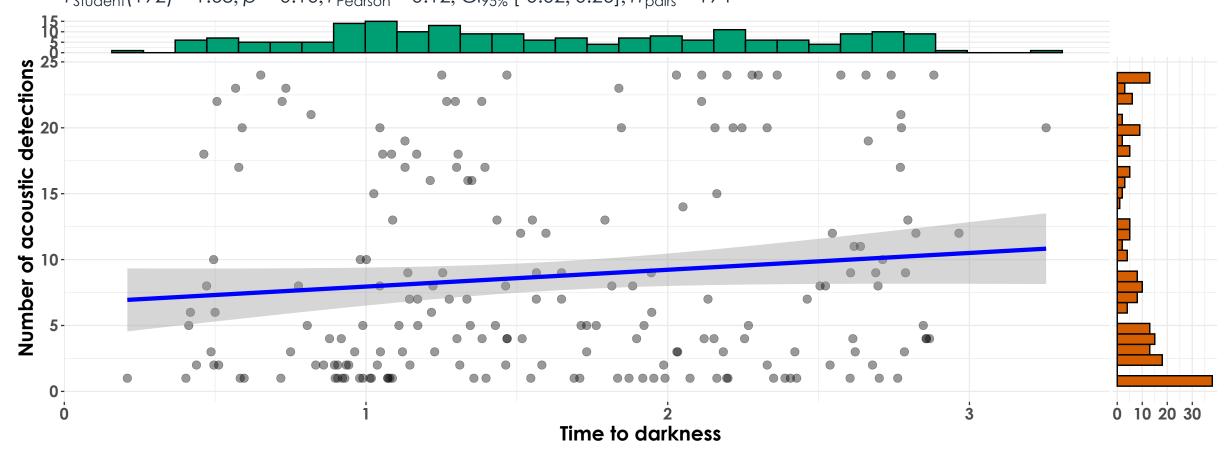
 $log_{e}(BF_{01}) = 0.64$ ,  $\widehat{\rho}_{Pearson}^{posterior} = -0.15$ ,  $Cl_{95\%}^{HDI}$  [-0.30, 0.03],  $r_{beta}^{JZS} = 1.41$ 

# dusk

t<sub>Student</sub>(20) = 0.54, p = 0.60, r̂<sub>Pearson</sub> = 0.12, Cl<sub>95%</sub> [-0.32, 0.52], n<sub>pairs</sub> = 22

$$log_e(BF_{01}) = 1.01$$
,  $\hat{\rho}_{Pearson}^{posterior} = 0.10$ ,  $Cl_{95\%}^{HDI}$  [-0.28, 0.48],  $r_{beta}^{JZS} = 1.41$ 

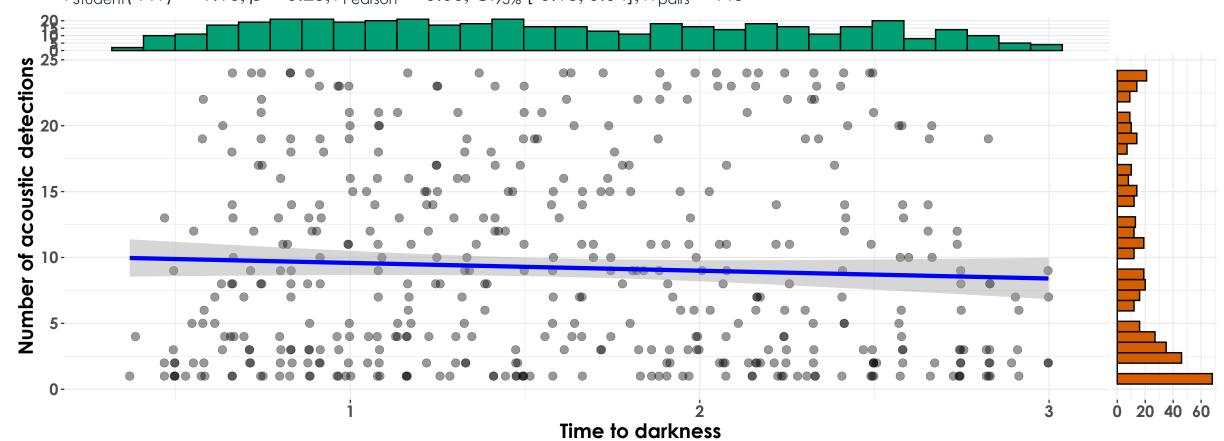
 $t_{\text{Student}}(192) = 1.68, p = 0.10, \hat{r}_{\text{Pearson}} = 0.12, \text{Cl}_{95\%}$  [-0.02, 0.26],  $n_{\text{pairs}} = 194$ 



 $log_e(BF_{01}) = 0.83$ ,  $\hat{\rho}_{Pearson}^{posterior} = 0.12$ ,  $Cl_{95\%}^{HDI}$  [-0.03, 0.25],  $r_{beta}^{JZS} = 1.41$ 

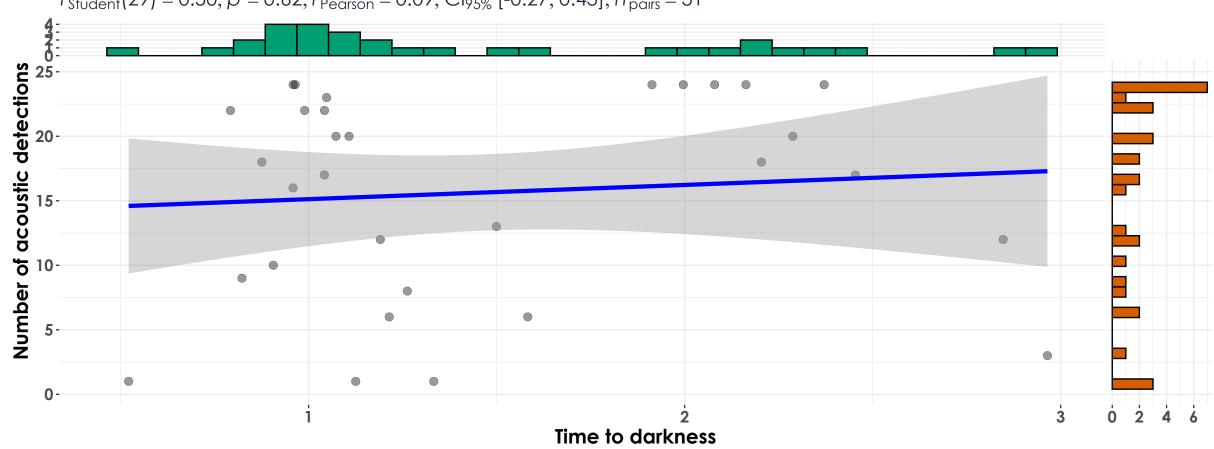
# dusk

 $t_{\text{Student}}(441) = -1.16, p = 0.25, \hat{r}_{\text{Pearson}} = -0.06, Cl_{95\%}$  [-0.15, 0.04],  $n_{\text{pairs}} = 443$ 



 $log_{e}(BF_{01}) = 1.95$ ,  $\hat{\rho}_{Pearson}^{posterior} = -0.05$ ,  $Cl_{95\%}^{HDI}$  [-0.14, 0.04],  $r_{beta}^{JZS} = 1.41$ 

 $t_{\text{Student}}(29) = 0.50, p = 0.62, \hat{r}_{\text{Pearson}} = 0.09, \text{Cl}_{95\%} \text{ [-0.27, 0.43]}, n_{\text{pairs}} = 31$ 



 $log_e(BF_{01}) = 1.19, \hat{\rho}_{Pearson}^{posterior} = 0.08, Cl_{95\%}^{HDI} [-0.27, 0.40], r_{beta}^{JZS} = 1.41$ 



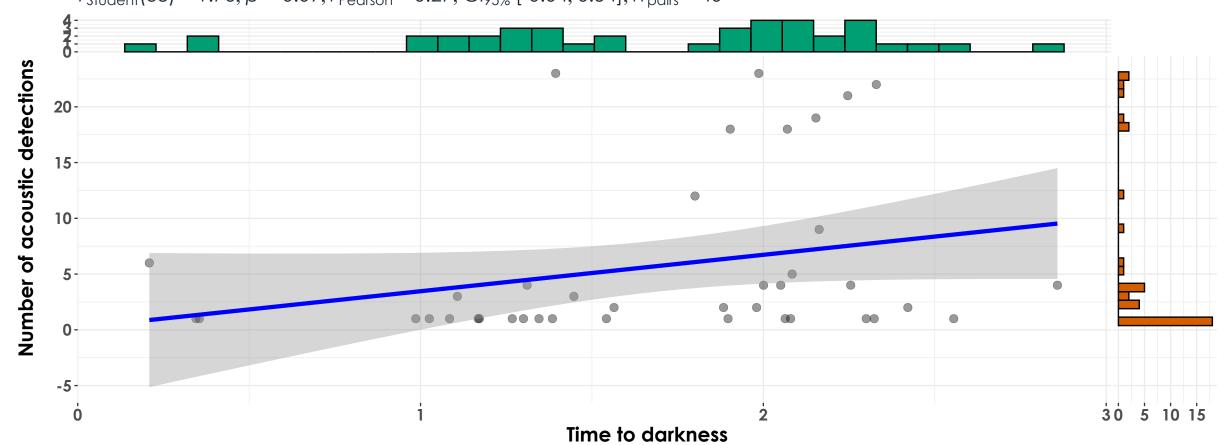
#Student(59) = 2.40, p = 0.02, r̂\_Pearson = 0.30, Cl<sub>95%</sub> [0.05, 0.51], n<sub>pairs</sub> = 61

$$log_{e}(BF_{01}) = -1.00, \hat{\rho}_{Pearson}^{posterior} = 0.28, Cl_{95\%}^{HDI} [0.07, 0.51], r_{beta}^{JZS} = 1.41$$

#### White-throated Kingfisher

### dawn

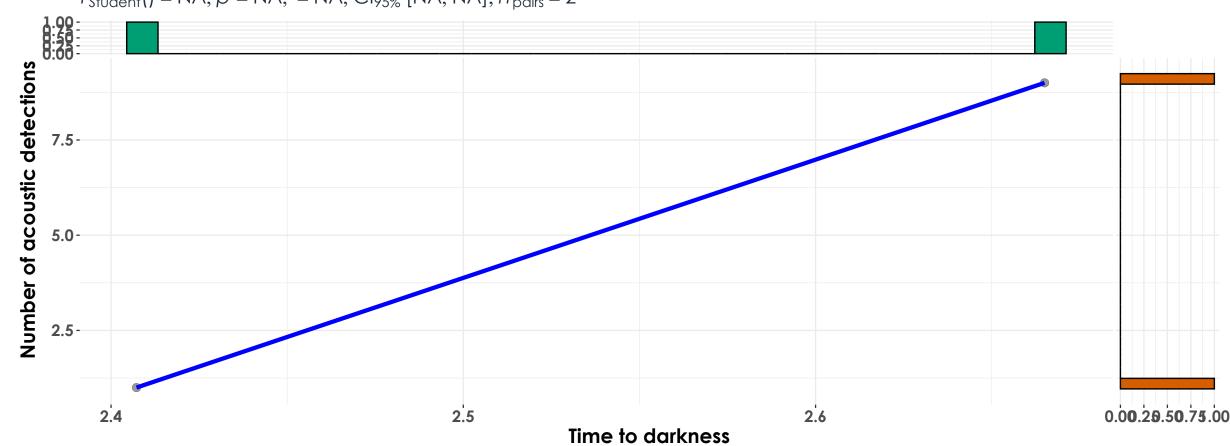
 $t_{\text{Student}}(38) = 1.76, p = 0.09, \hat{r}_{\text{Pearson}} = 0.27, \text{Cl}_{95\%} \text{ [-0.04, 0.54]}, n_{\text{pairs}} = 40$ 



 $log_e(BF_{01}) = 0.04$ ,  $\hat{\rho}_{Pearson}^{posterior} = 0.25$ ,  $Cl_{95\%}^{HDI}$  [-0.03, 0.53],  $r_{beta}^{JZS} = 1.41$ 

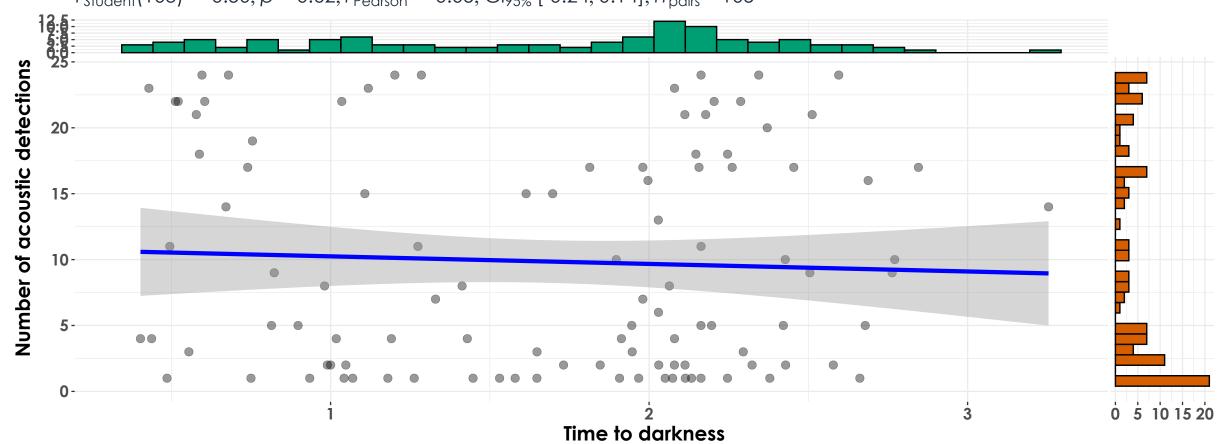
### dusk

 $t_{\text{Student}}$ () = NA, p = NA, = NA,  $Cl_{95\%}$  [NA, NA],  $n_{\text{pairs}}$  = 2



 $log_e(BF_{01}) =$ , posterior = NA,  $Cl_{95\%}^{HDI}$  [NA, NA],  $r_{beta}^{JZS} = NA$ 

 $t_{\text{Student}}(103) = -0.50, p = 0.62, \hat{r}_{\text{Pearson}} = -0.05, \text{Cl}_{95\%} [-0.24, 0.14], n_{\text{pairs}} = 105$ 



$$log_{e}(BF_{01}) = 1.78$$
,  $\hat{\rho}_{Pearson}^{posterior} = -0.05$ ,  $Cl_{95\%}^{HDI}$  [-0.24, 0.13],  $r_{beta}^{JZS} = 1.41$ 

# dusk

## Student(27) = 0.72, p = 0.48, Î<sub>Pearson</sub> = 0.14, Cl<sub>95%</sub> [-0.24, 0.48], n<sub>poirs</sub> = 29

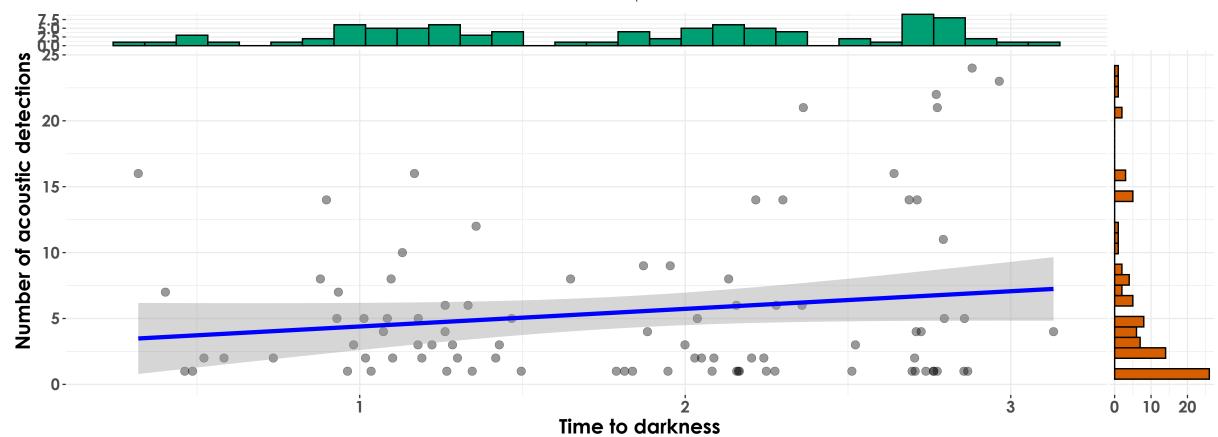
### 20
15
10
0.5

1.5

Time to darkness

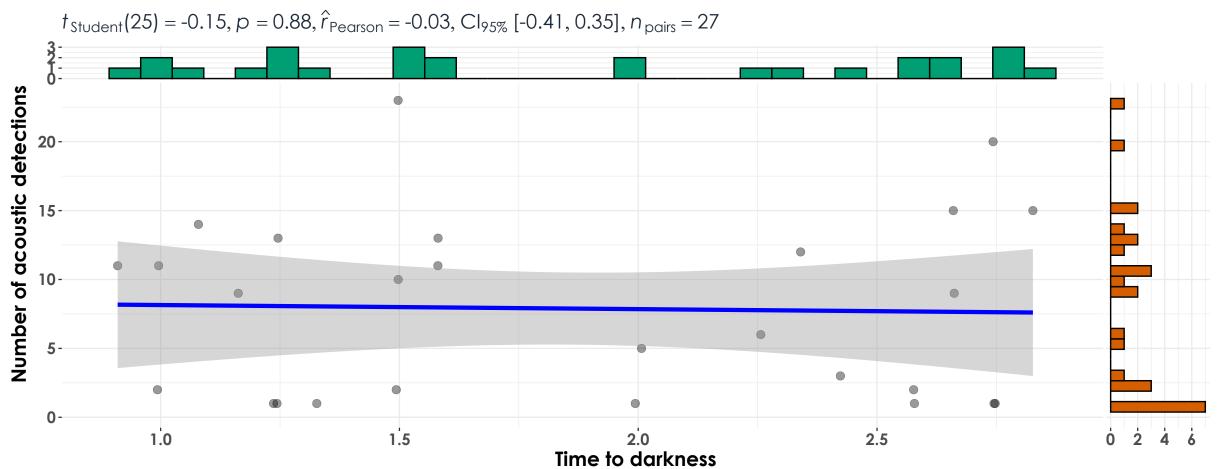
$$log_{e}(BF_{01}) = 1.04$$
,  $\widehat{\rho}_{Pearson}^{posterior} = 0.13$ ,  $Cl_{95\%}^{HDI}$  [-0.26, 0.42],  $r_{beta}^{JZS} = 1.41$ 

$$t_{\text{Student}}$$
 (88) = 1.66,  $p$  = 0.10,  $\hat{r}_{\text{Pearson}}$  = 0.17,  $Cl_{95\%}$  [-0.03, 0.37],  $n_{\text{pairs}}$  = 90



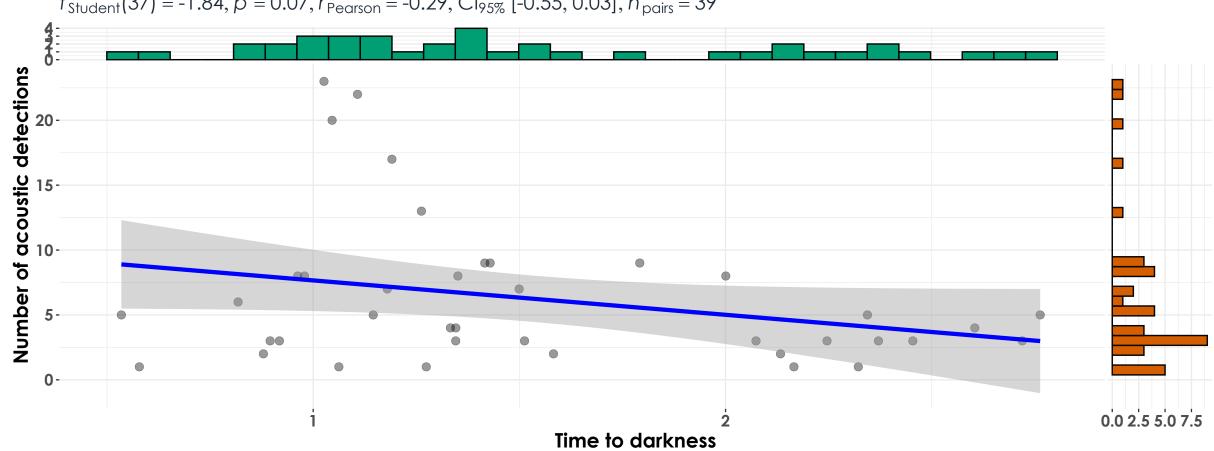
 $log_{e}(BF_{01}) = 0.51$ ,  $\hat{\rho}_{Pearson}^{posterior} = 0.17$ ,  $Cl_{95\%}^{HDI}$  [-0.03, 0.36],  $r_{beta}^{JZS} = 1.41$ 





$$log_{e}(BF_{01}) = 1.23$$
,  $\hat{\rho}_{Pearson}^{posterior} = -0.02$ ,  $Cl_{95\%}^{HDI}$  [-0.37, 0.33],  $r_{beta}^{JZS} = 1.41$ 

 $t_{\text{Student}}(37) = -1.84, p = 0.07, \hat{r}_{\text{Pearson}} = -0.29, \text{Cl}_{95\%} \text{ [-0.55, 0.03]}, n_{\text{pairs}} = 39$ 



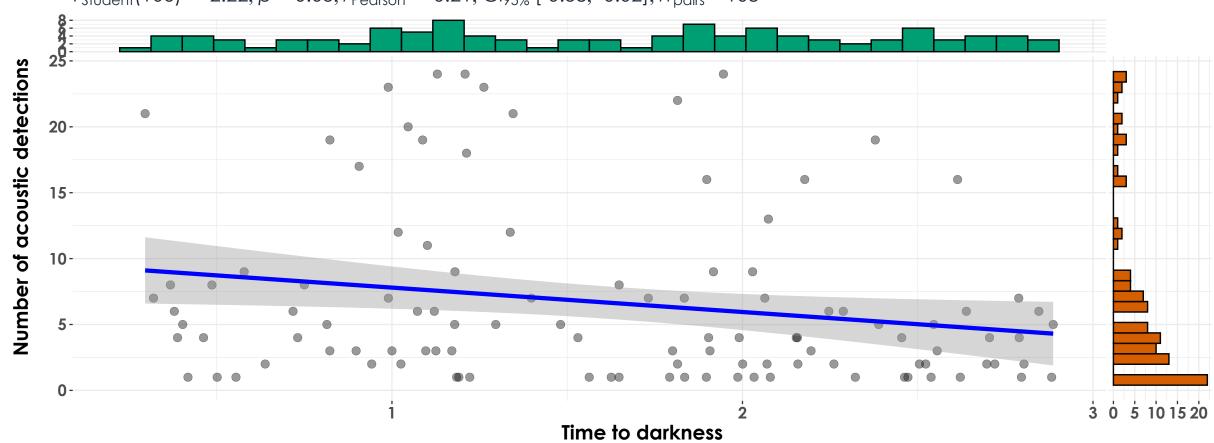
 $log_{e}(BF_{01}) = -0.10, \hat{\rho}_{Pearson}^{posterior} = -0.27, CI_{95\%}^{HDI}$  [-0.53, 0.04],  $r_{beta}^{JZS} = 1.41$ 



 $t_{\text{Student}}(70) = -0.04, p = 0.97, \hat{r}_{\text{Pearson}} = -4.70 \text{e-}03, \text{Cl}_{95\%} \text{ [-}0.24, 0.23], n_{\text{pairs}} = 72$ **(1)** 0-10 5 2 Ó Time to darkness

 $log_{e}(BF_{01}) = 1.71$ ,  $\widehat{\rho}_{Pearson}^{posterior} = -6.62e-03$ ,  $Cl_{95\%}^{HDI}$  [-0.23, 0.22],  $r_{beta}^{JZS} = 1.41$ 

 $t_{\text{Student}}(106) = -2.22, p = 0.03, \hat{r}_{\text{Pearson}} = -0.21, \text{Cl}_{95\%} \text{ [-0.38, -0.02]}, n_{\text{pairs}} = 108$ 



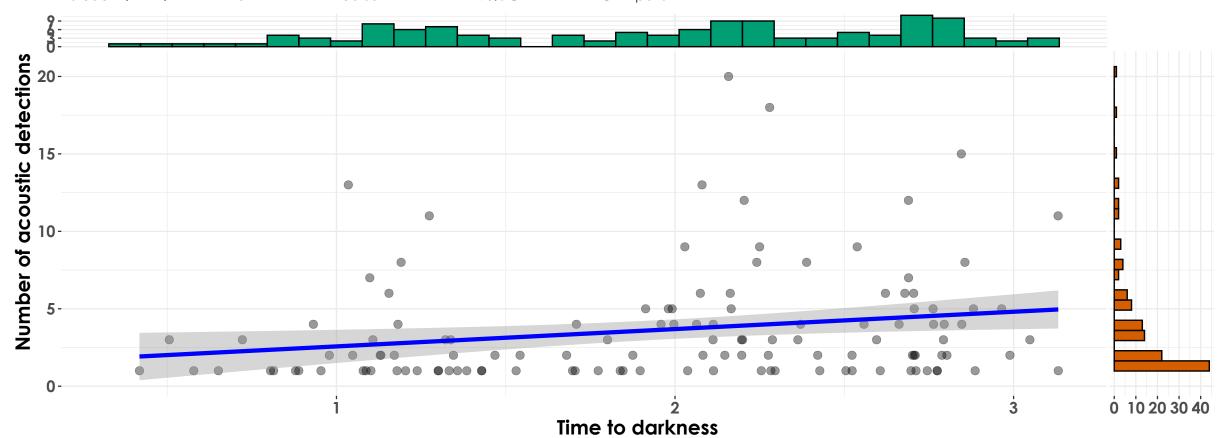
$$log_{e}(BF_{01}) = -0.44$$
,  $\hat{\rho}_{Pearson}^{posterior} = -0.21$ ,  $Cl_{95\%}^{HDI}$  [-0.38, -0.03],  $r_{beta}^{JZS} = 1.41$ 



## Time to darkness

$$log_{e}(BF_{01}) = -5.01$$
,  $\widehat{\rho}_{Pearson}^{posterior} = -0.30$ ,  $Cl_{95\%}^{HDI}$  [-0.44, -0.15],  $r_{beta}^{JZS} = 1.41$ 

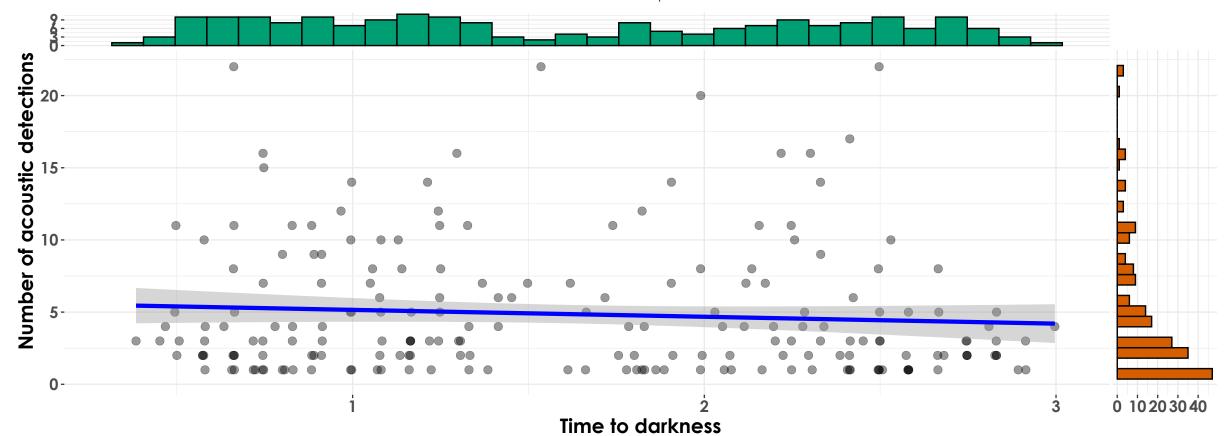
$$t_{\text{Student}}(123) = 2.46, p = 0.02, \hat{r}_{\text{Pearson}} = 0.22, \text{Cl}_{95\%}[0.04, 0.38], n_{\text{pairs}} = 125$$



 $log_e(BF_{01}) = -0.89$ ,  $\hat{\rho}_{Pearson}^{posterior} = 0.21$ ,  $Cl_{95\%}^{HDI}$  [0.06, 0.38],  $r_{beta}^{JZS} = 1.41$ 

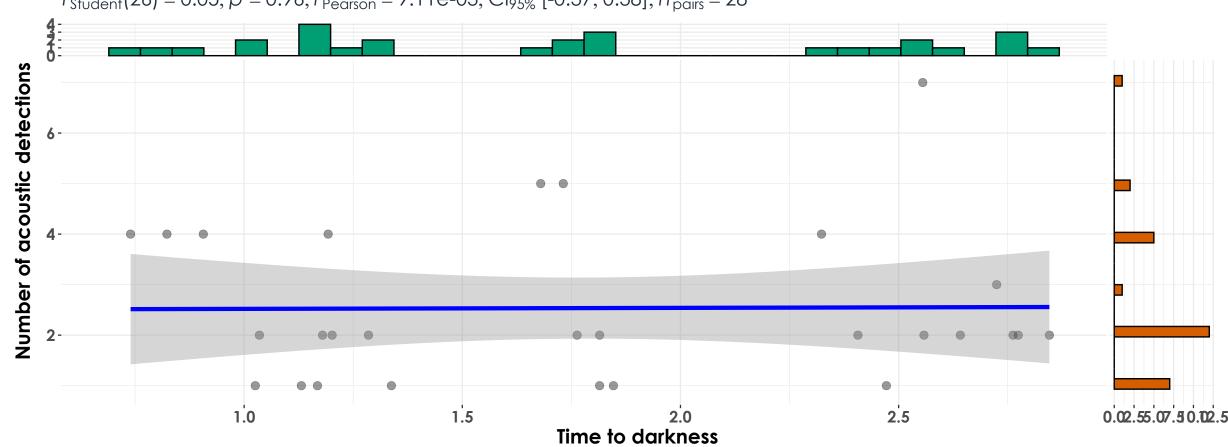
# dusk

$$t_{\text{Student}}(197) = -1.10, p = 0.27, \hat{r}_{\text{Pearson}} = -0.08, \text{Cl}_{95\%} \text{ [-0.22, 0.06]}, n_{\text{pairs}} = 199$$



$$log_{e}(BF_{01}) = 1.62$$
,  $\hat{\rho}_{Pearson}^{posterior} = -0.07$ ,  $Cl_{95\%}^{HDI}$  [-0.21, 0.06],  $r_{beta}^{JZS} = 1.41$ 

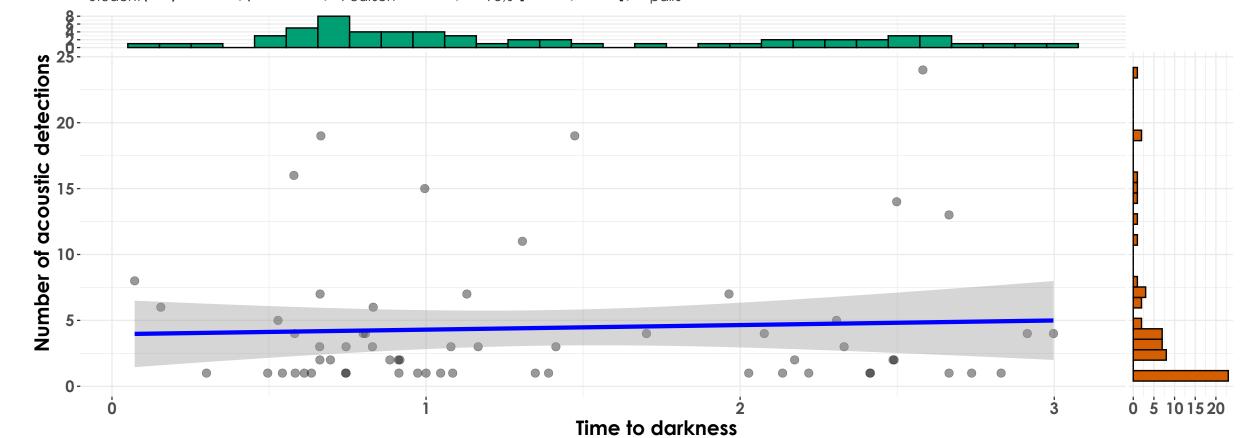
 $t_{\text{Student}}(26) = 0.05, p = 0.96, \hat{r}_{\text{Pearson}} = 9.11\text{e-}03, \text{Cl}_{95\%}$  [-0.37, 0.38],  $n_{\text{pairs}} = 28$ 



$$log_e(BF_{01}) = 1.26$$
,  $\hat{\rho}_{Pearson}^{posterior} = 0.01$ ,  $Cl_{95\%}^{HDI}$  [-0.34, 0.36],  $r_{beta}^{JZS} = 1.41$ 

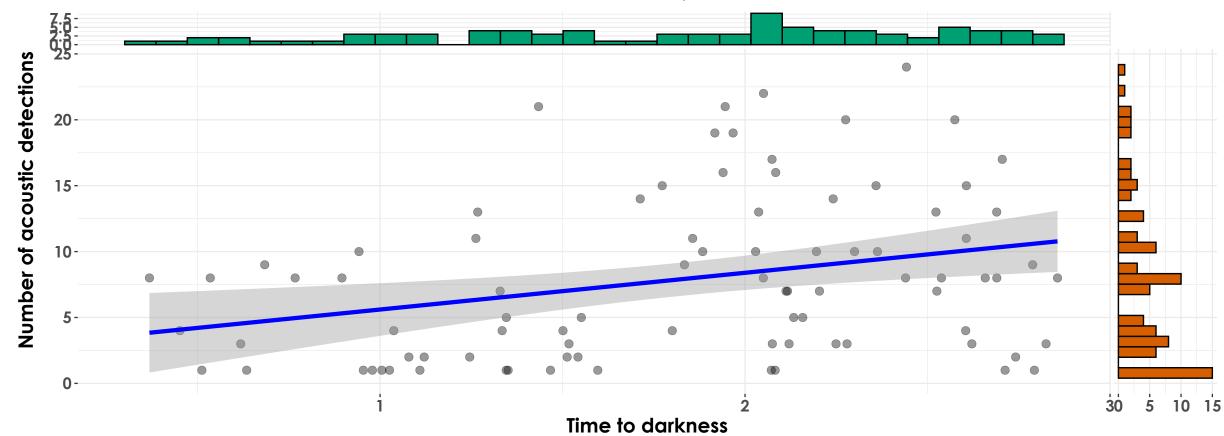
# dusk

 $t_{\text{Student}}(59) = 0.42, p = 0.67, \hat{r}_{\text{Pearson}} = 0.06, Cl_{95\%}$  [-0.20, 0.30],  $n_{\text{pairs}} = 61$ 



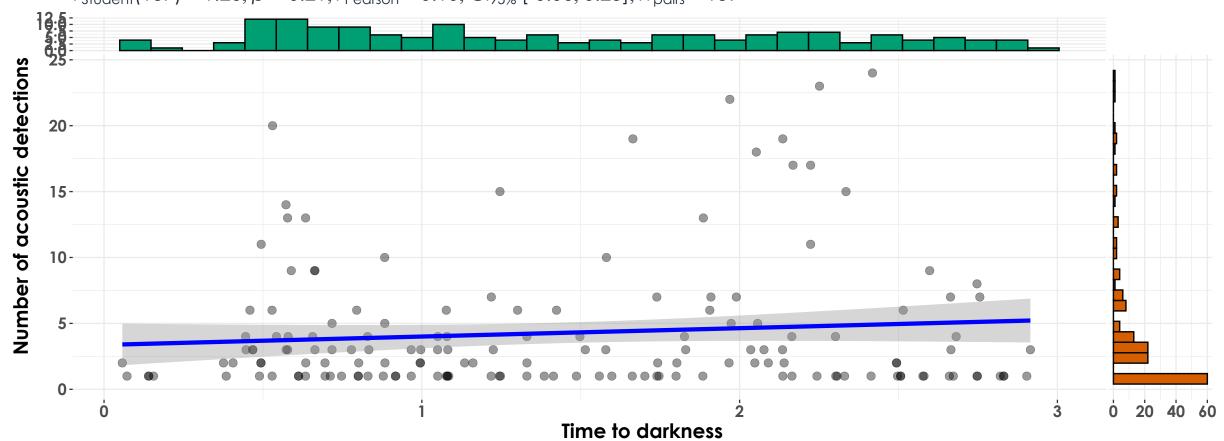
 $log_{e}(BF_{01}) = 1.55$ ,  $\hat{\rho}_{Pearson}^{posterior} = 0.05$ ,  $Cl_{95\%}^{HDI}$  [-0.17, 0.31],  $r_{beta}^{JZS} = 1.41$ 

$$t_{\text{Student}}(85) = 2.94, p = 4.20e-03, \hat{r}_{\text{Pearson}} = 0.30, \text{Cl}_{95\%} [0.10, 0.48], n_{\text{pairs}} = 87$$



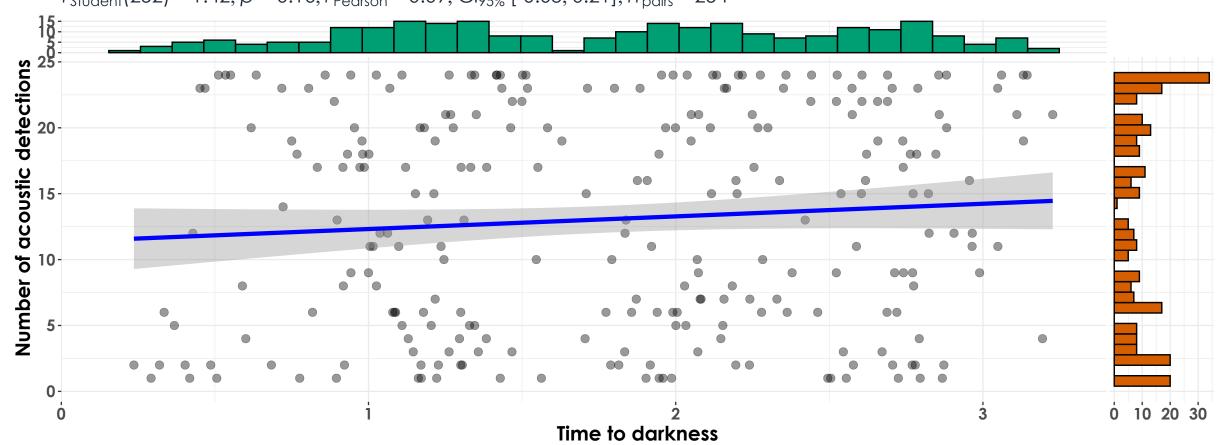
 $log_e(BF_{01}) = -2.18$ ,  $\hat{\rho}_{Pearson}^{posterior} = 0.29$ ,  $Cl_{95\%}^{HDI}$  [0.10, 0.47],  $r_{beta}^{JZS} = 1.41$ 

$$t_{\text{Student}}(157) = 1.26, p = 0.21, \hat{r}_{\text{Pearson}} = 0.10, \text{Cl}_{95\%} \text{ [-0.06, 0.25]}, n_{\text{pairs}} = 159$$



 $log_{e}(BF_{01}) = 1.33, \hat{\rho}_{Pearson}^{posterior} = 0.10, Cl_{95\%}^{HDI} [-0.06, 0.25], r_{beta}^{JZS} = 1.41$ 

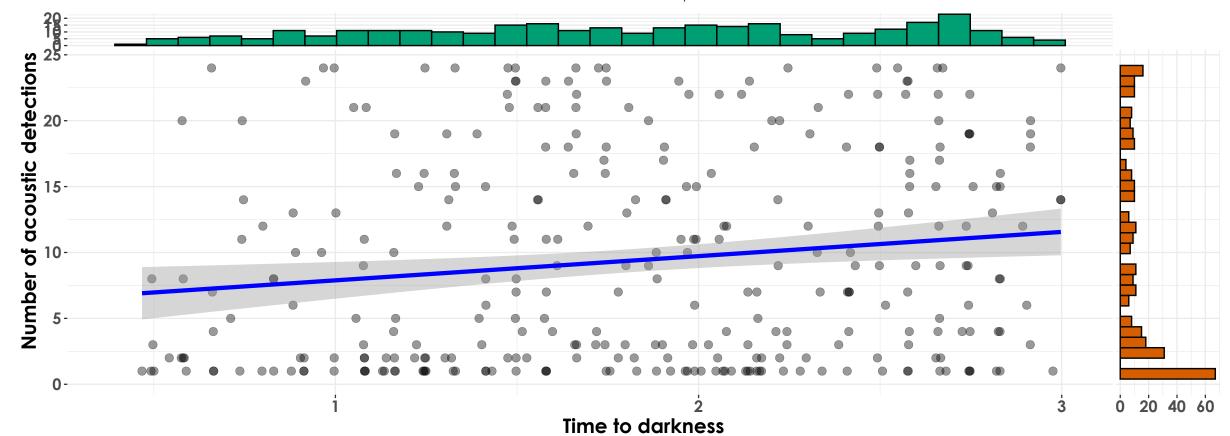
 $t_{\text{Student}}(252) = 1.42, p = 0.16, \hat{r}_{\text{Pearson}} = 0.09, \text{Cl}_{95\%} \text{ [-0.03, 0.21]}, n_{\text{pairs}} = 254$ 



 $log_e(BF_{01}) = 1.34$ ,  $\hat{\rho}_{Pearson}^{posterior} = 0.09$ ,  $Cl_{95\%}^{HDI}$  [-0.03, 0.21],  $r_{beta}^{JZS} = 1.41$ 

# dusk

 $t_{\text{Student}}(309) = 2.76, p = 6.18e-03, \hat{r}_{\text{Pearson}} = 0.15, \text{Cl}_{95\%}[0.04, 0.26], n_{\text{pairs}} = 311$ 



 $log_e(BF_{01}) = -1.28$ ,  $\hat{\rho}_{Pearson}^{posterior} = 0.15$ ,  $Cl_{95\%}^{HDI}$  [0.05, 0.27],  $r_{beta}^{JZS} = 1.41$ 

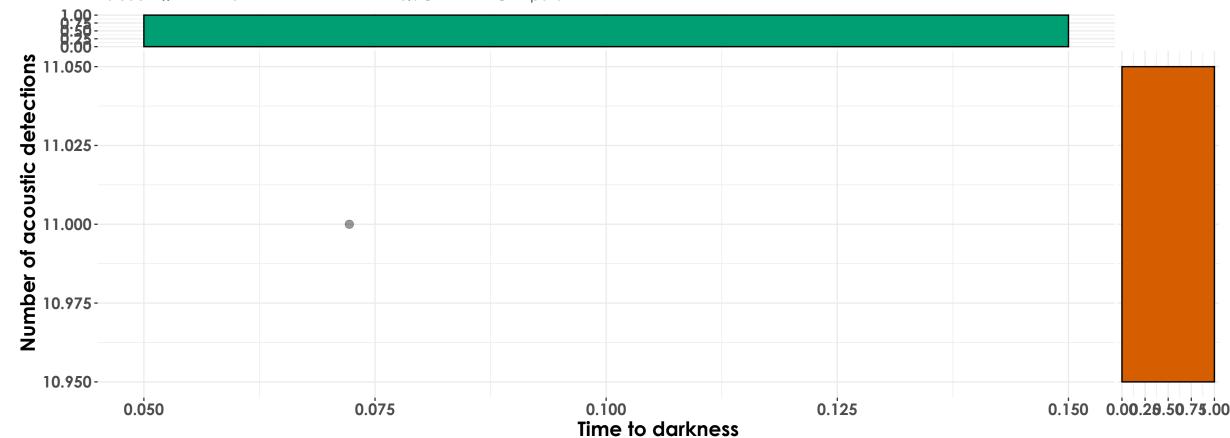


Time to darkness

 $log_{e}(BF_{01}) = 1.00, \hat{\rho}_{Pearson}^{posterior} = 0.11, Cl_{95\%}^{HDI} [-0.24, 0.50], r_{beta}^{JZS} = 1.41$ 

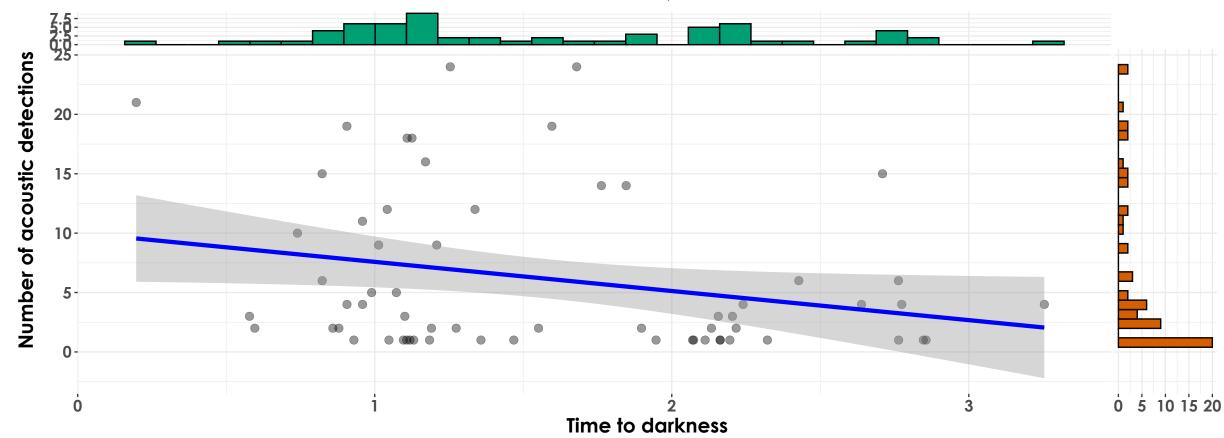
### dusk

 $t_{\text{Student}}() = \text{NA}, p = \text{NA}, = \text{NA}, \text{Cl}_{95\%} [\text{NA}, \text{NA}], n_{\text{pairs}} = 1$ 



 $log_e(BF_{01}) =$ ,  $posterior = NA, Cl_{95\%}^{HDI} [NA, NA], r_{beta}^{JZS} = NA$ 

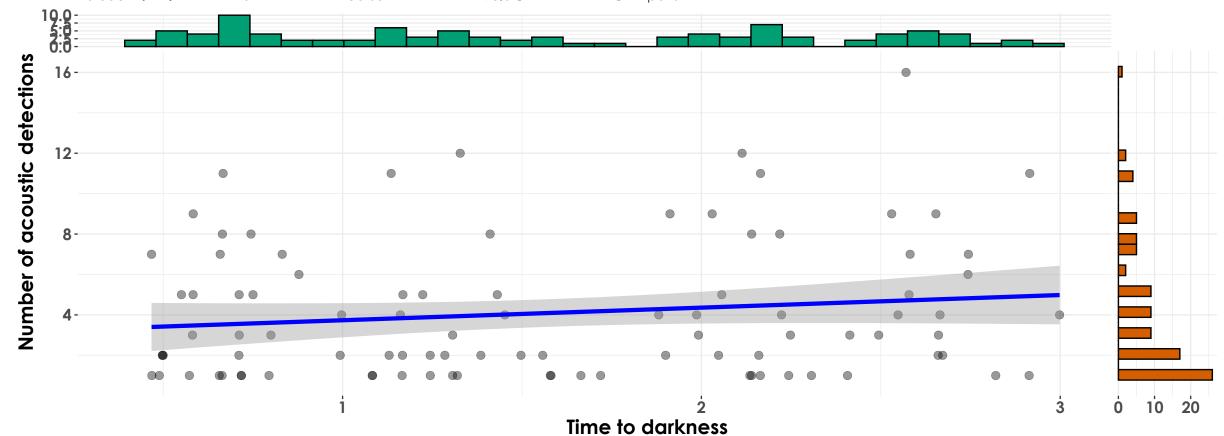
$$t_{\text{Student}}(60) = -2.09, p = 0.04, \hat{r}_{\text{Pearson}} = -0.26, \text{Cl}_{95\%}$$
 [-0.48, -0.01],  $n_{\text{pairs}} = 62$ 



 $log_e(BF_{01}) = -0.38$ ,  $\hat{\rho}_{Pearson}^{posterior} = -0.25$ ,  $Cl_{95\%}^{HDI}$  [-0.47, -0.02],  $r_{beta}^{JZS} = 1.41$ 

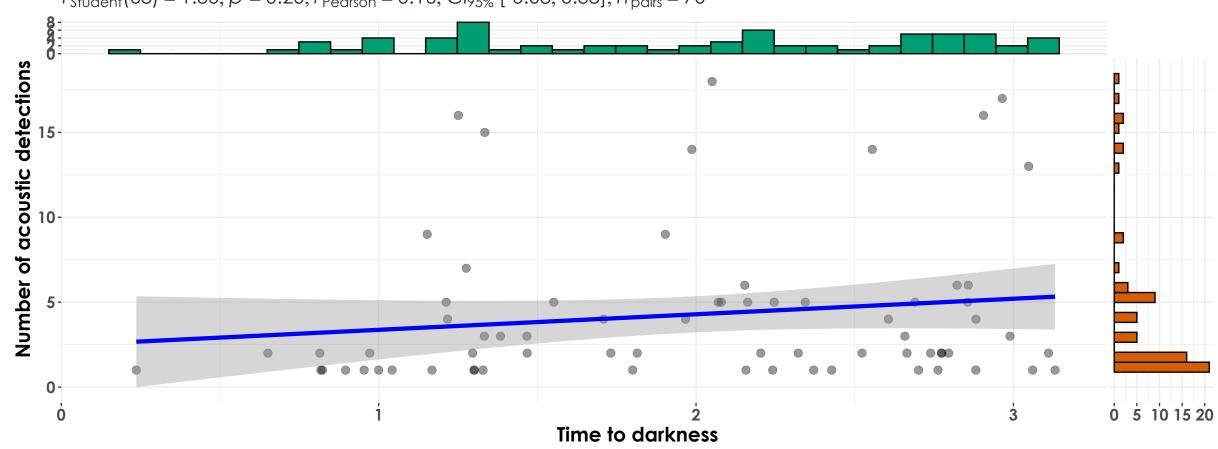


$$t_{\text{Student}}(92) = 1.39, p = 0.17, \hat{r}_{\text{Pearson}} = 0.14, \text{Cl}_{95\%}$$
 [-0.06, 0.34],  $n_{\text{pairs}} = 94$ 



 $log_e(BF_{01}) = 0.91$ ,  $\hat{\rho}_{Pearson}^{posterior} = 0.14$ ,  $Cl_{95\%}^{HDI}$  [-0.06, 0.32],  $r_{beta}^{JZS} = 1.41$ 

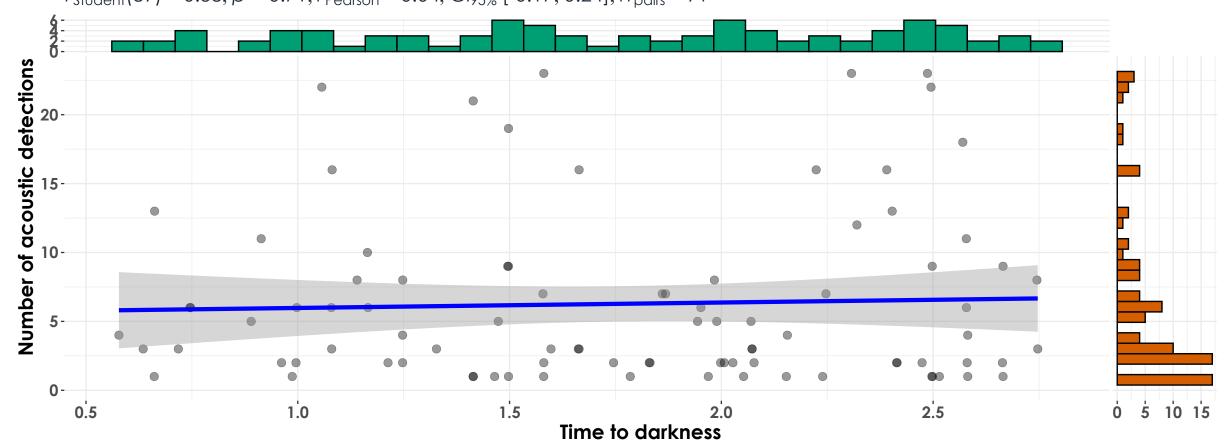
 $t_{\text{Student}}(68) = 1.30, p = 0.20, \hat{r}_{\text{Pearson}} = 0.16, \text{Cl}_{95\%} \text{ [-0.08, 0.38]}, n_{\text{pairs}} = 70$ 



 $log_e(BF_{01}) = 0.90$ ,  $\hat{\rho}_{Pearson}^{posterior} = 0.15$ ,  $Cl_{95\%}^{HDI}$  [-0.09, 0.37],  $r_{beta}^{JZS} = 1.41$ 

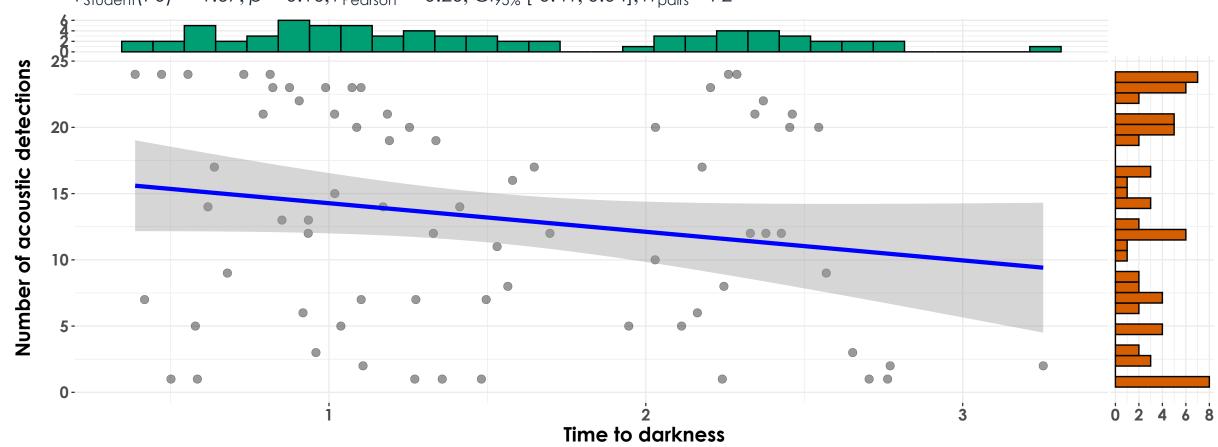
# dusk

 $t_{\text{Student}}(89) = 0.38, p = 0.71, \hat{r}_{\text{Pearson}} = 0.04, \text{Cl}_{95\%}$  [-0.17, 0.24],  $n_{\text{pairs}} = 91$ 



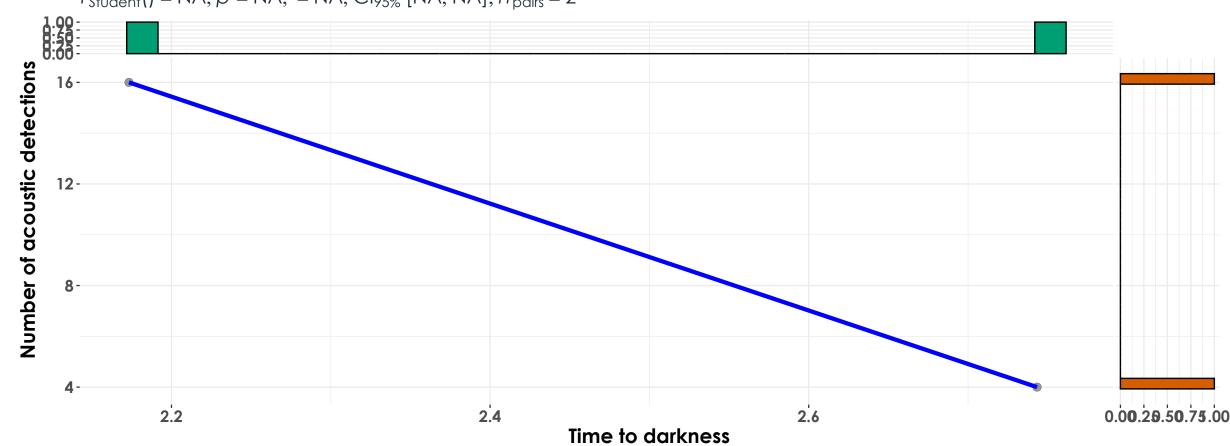
 $log_{e}(BF_{01}) = 1.76$ ,  $\widehat{\rho}_{Pearson}^{posterior} = 0.04$ ,  $Cl_{95\%}^{HDI}$  [-0.16, 0.24],  $r_{beta}^{JZS} = 1.41$ 

$$t_{\text{Student}}(70) = -1.67, p = 0.10, \hat{r}_{\text{Pearson}} = -0.20, \text{Cl}_{95\%}$$
 [-0.41, 0.04],  $n_{\text{pairs}} = 72$ 



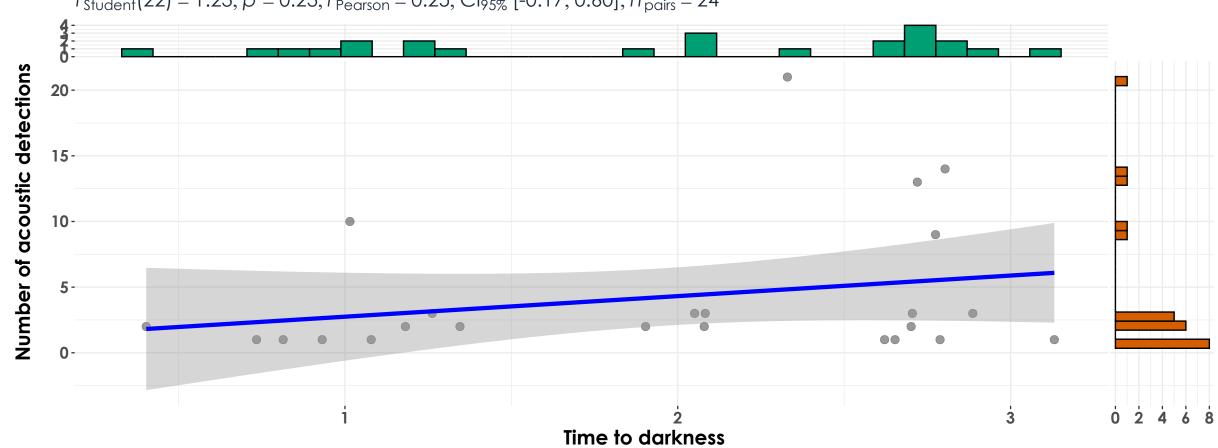
 $log_{e}(BF_{01}) = 0.40$ ,  $\hat{\rho}_{Pearson}^{posterior} = -0.19$ ,  $Cl_{95\%}^{HDI}$  [-0.39, 0.04],  $r_{beta}^{JZS} = 1.41$ 

$$t_{\text{Student}}$$
() = NA,  $p$  = NA, = NA,  $Cl_{95\%}$  [NA, NA],  $n_{\text{pairs}}$  = 2



$$log_e(BF_{01}) =$$
,  $posterior = NA, Cl_{95\%}^{HDI} [NA, NA], r_{beta}^{JZS} = NA$ 

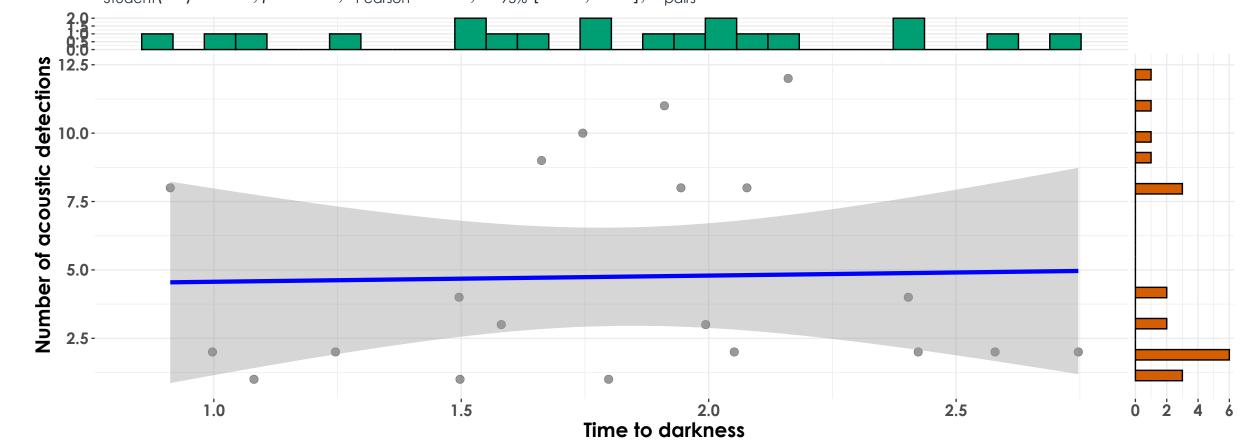
 $t_{\text{Student}}(22) = 1.23, p = 0.23, \hat{r}_{\text{Pearson}} = 0.25, \text{Cl}_{95\%}$  [-0.17, 0.60],  $n_{\text{pairs}} = 24$ 



 $log_{e}(BF_{01}) = 0.53$ ,  $\hat{\rho}_{Pearson}^{posterior} = 0.22$ ,  $Cl_{95\%}^{HDI}$  [-0.15, 0.57],  $r_{beta}^{JZS} = 1.41$ 

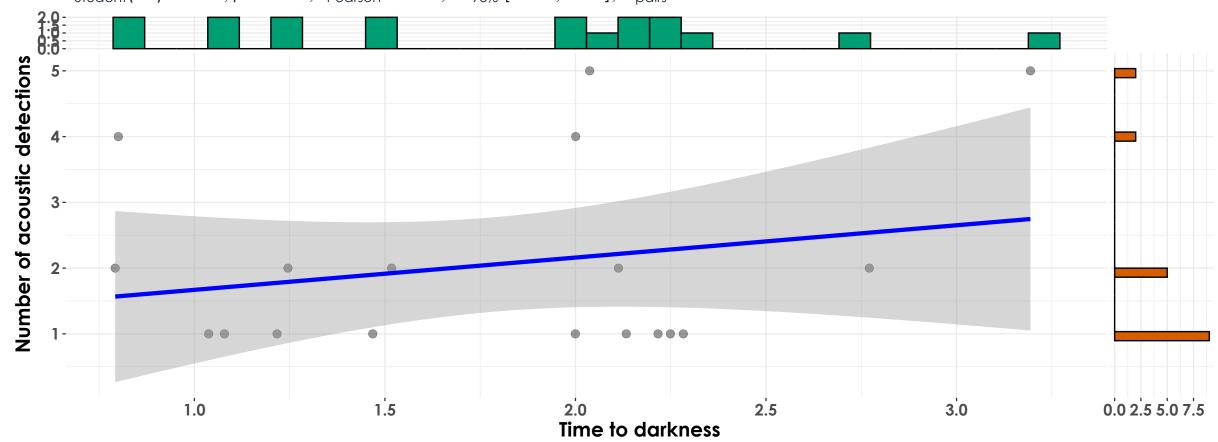
# dusk

 $t_{\text{Student}}(18) = 0.13, p = 0.90, \hat{r}_{\text{Pearson}} = 0.03, \text{Cl}_{95\%} \text{ [-0.42, 0.47]}, n_{\text{pairs}} = 20$ 



 $log_e(BF_{01}) = 1.09$ ,  $\hat{\rho}_{Pearson}^{posterior} = 0.03$ ,  $Cl_{95\%}^{HDI}$  [-0.37, 0.45],  $r_{beta}^{JZS} = 1.41$ 

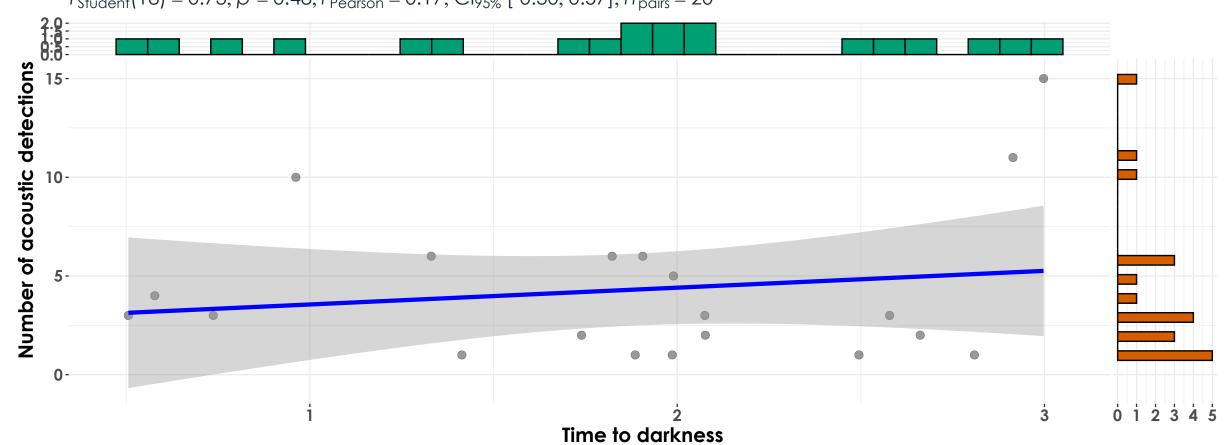
$$t_{\text{Student}}(16) = 0.95, p = 0.35, \hat{r}_{\text{Pearson}} = 0.23, \text{Cl}_{95\%}$$
 [-0.26, 0.63],  $n_{\text{pairs}} = 18$ 



 $log_e(BF_{01}) = 0.66$ ,  $\hat{\rho}_{Pearson}^{posterior} = 0.20$ ,  $Cl_{95\%}^{HDI}$  [-0.24, 0.58],  $r_{beta}^{JZS} = 1.41$ 

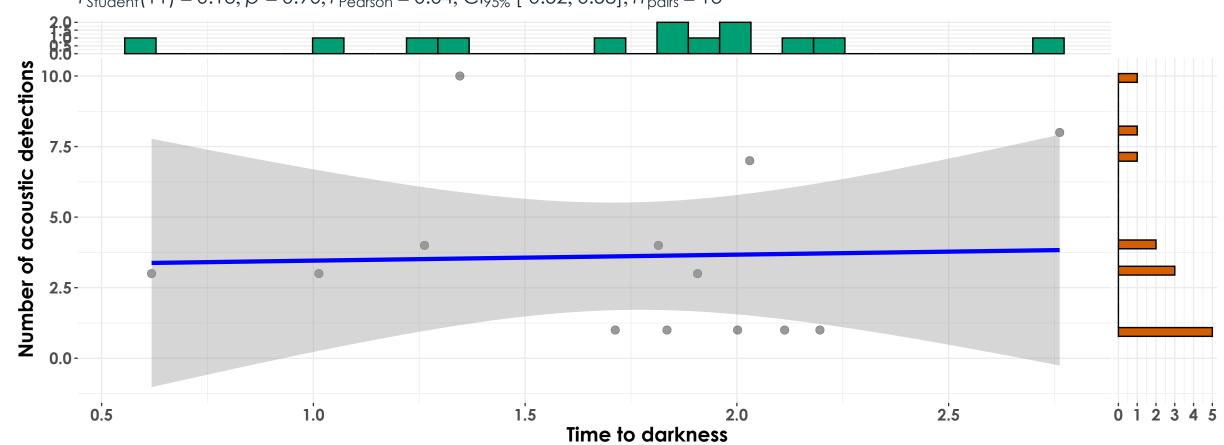
## dusk

$$t_{\text{Student}}(18) = 0.73, p = 0.48, \hat{r}_{\text{Pearson}} = 0.17, \text{Cl}_{95\%} \text{ [-0.30, 0.57]}, n_{\text{pairs}} = 20$$



 $log_{e}(BF_{01}) = 0.87$ ,  $\widehat{\rho}_{Pearson}^{posterior} = 0.14$ ,  $Cl_{95\%}^{HDI}$  [-0.31, 0.49],  $r_{beta}^{JZS} = 1.41$ 

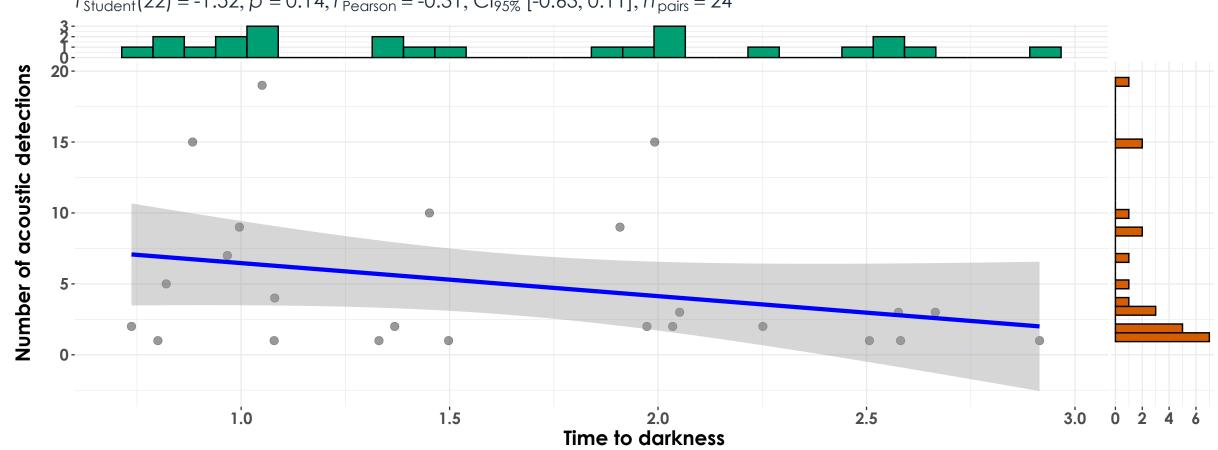
 $t_{\text{Student}}(11) = 0.13, p = 0.90, \hat{r}_{\text{Pearson}} = 0.04, \text{Cl}_{95\%} \text{ [-0.52, 0.58]}, n_{\text{pairs}} = 13$ 



 $log_{e}(BF_{01}) = 0.89$ ,  $\widehat{\rho}_{Pearson}^{posterior} = 0.03$ ,  $Cl_{95\%}^{HDI}$  [-0.49, 0.48],  $r_{beta}^{JZS} = 1.41$ 

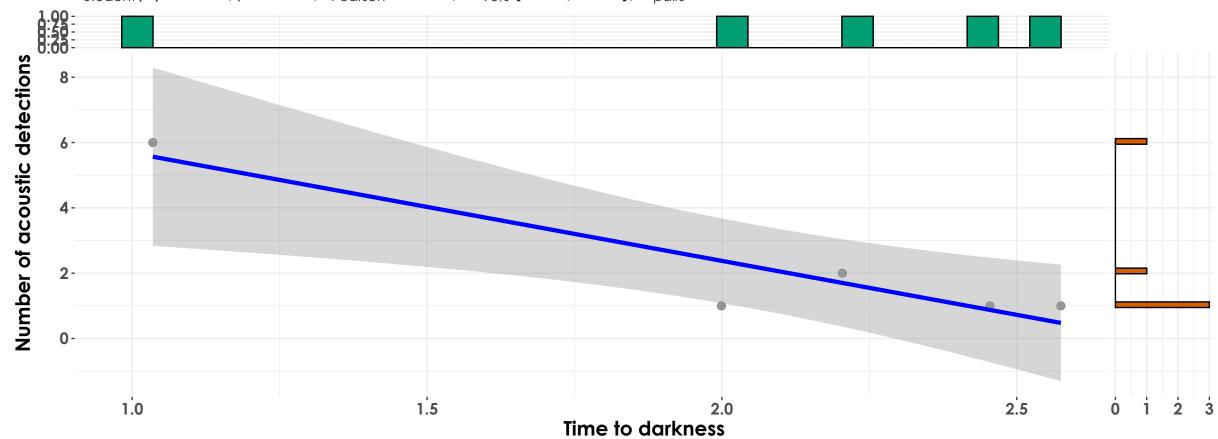


 $t_{\text{Student}}(22) = -1.52, p = 0.14, \hat{r}_{\text{Pearson}} = -0.31, \text{Cl}_{95\%}$  [-0.63, 0.11],  $n_{\text{pairs}} = 24$ 



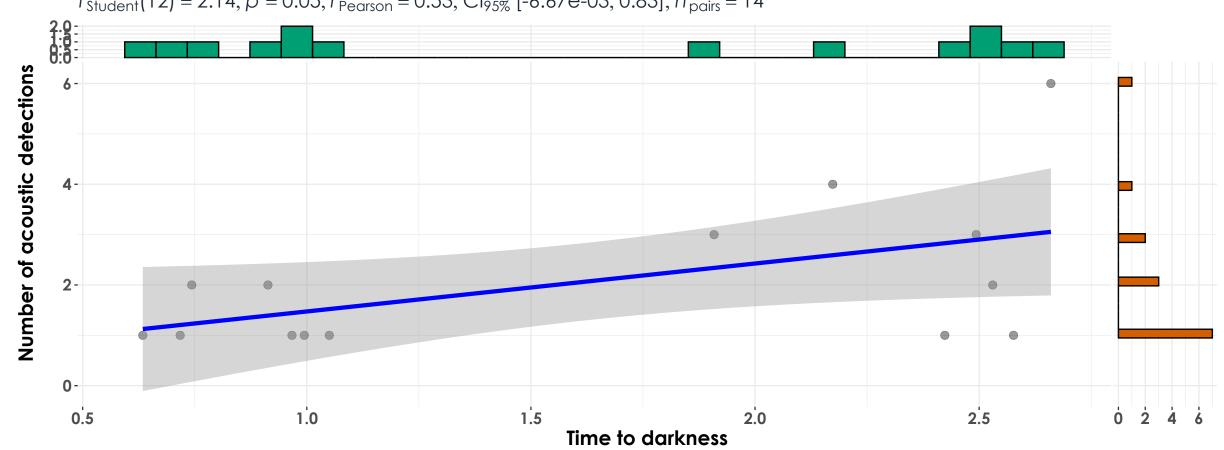
$$log_{e}(BF_{01}) = 0.19, \hat{\rho}_{Pearson}^{posterior} = -0.27, Cl_{95\%}^{HDI} [-0.60, 0.10], r_{beta}^{JZS} = 1.41$$

$$t_{\text{Student}}(3) = -4.45, p = 0.02, \hat{r}_{\text{Pearson}} = -0.93, \text{Cl}_{95\%} \text{ [-1.00, -0.28]}, n_{\text{pairs}} = 5$$



$$log_{e}(BF_{01}) = -1.20$$
,  $\widehat{\rho}_{Pearson}^{posterior} = -0.71$ ,  $Cl_{95\%}^{HDI}$  [-0.98, -0.06],  $r_{beta}^{JZS} = 1.41$ 

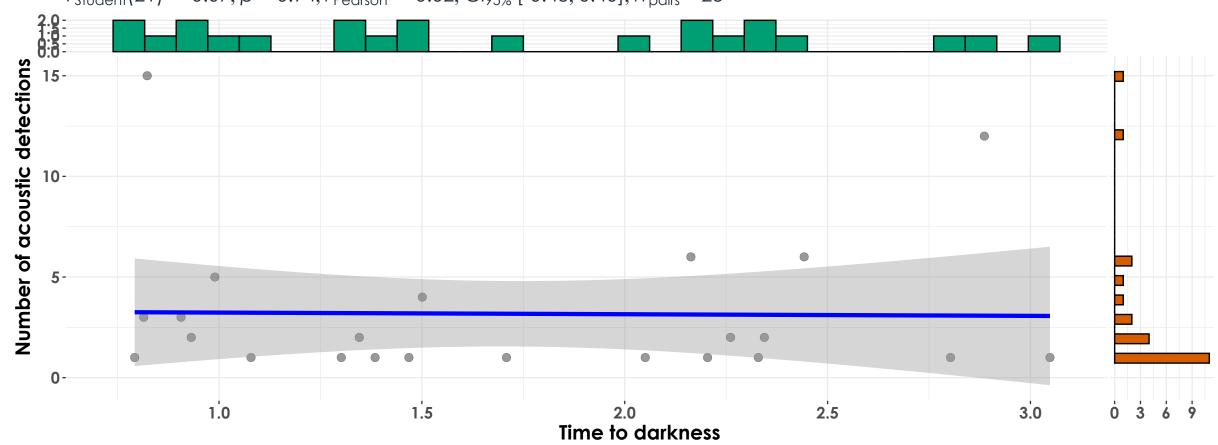
$$t_{\text{Student}}(12) = 2.14, p = 0.05, \hat{r}_{\text{Pearson}} = 0.53, \text{Cl}_{95\%} \text{ [-6.67e-03, 0.83]}, n_{\text{pairs}} = 14$$



$$log_{e}(BF_{01}) = -0.68, \widehat{\rho}_{Pearson}^{posterior} = 0.44, CI_{95\%}^{HDI} \ [9.39e-03, 0.78], r_{beta}^{JZS} = 1.41$$



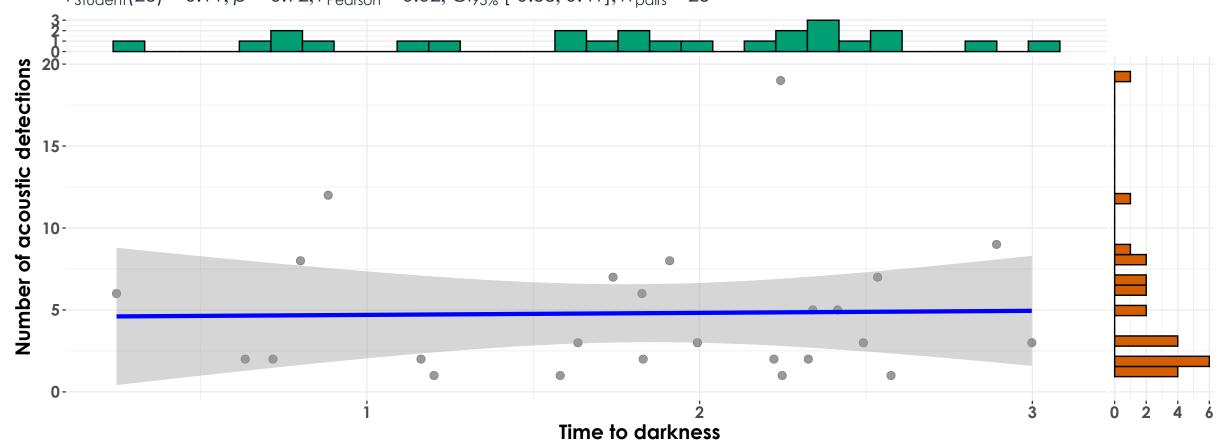
$$t_{\text{Student}}(21) = -0.07, p = 0.94, \hat{r}_{\text{Pearson}} = -0.02, \text{Cl}_{95\%} \text{ [-0.43, 0.40]}, n_{\text{pairs}} = 23$$



 $log_e(BF_{01}) = 1.16$ ,  $\hat{\rho}_{Pearson}^{posterior} = -4.75e-03$ ,  $Cl_{95\%}^{HDI}$  [-0.40, 0.37],  $r_{beta}^{JZS} = 1.41$ 

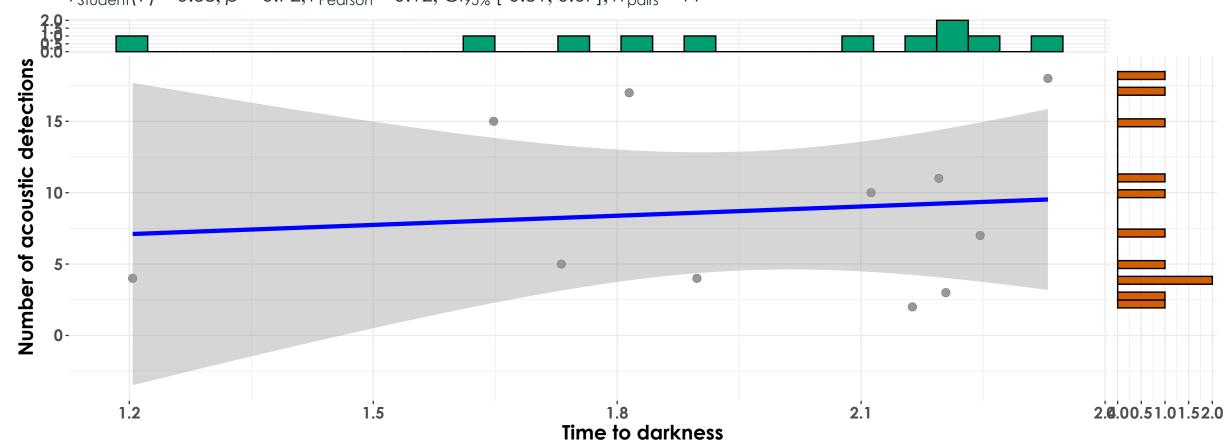


$$t_{\text{Student}}(23) = 0.11, p = 0.92, \hat{r}_{\text{Pearson}} = 0.02, \text{Cl}_{95\%} \text{ [-0.38, 0.41]}, n_{\text{pairs}} = 25$$



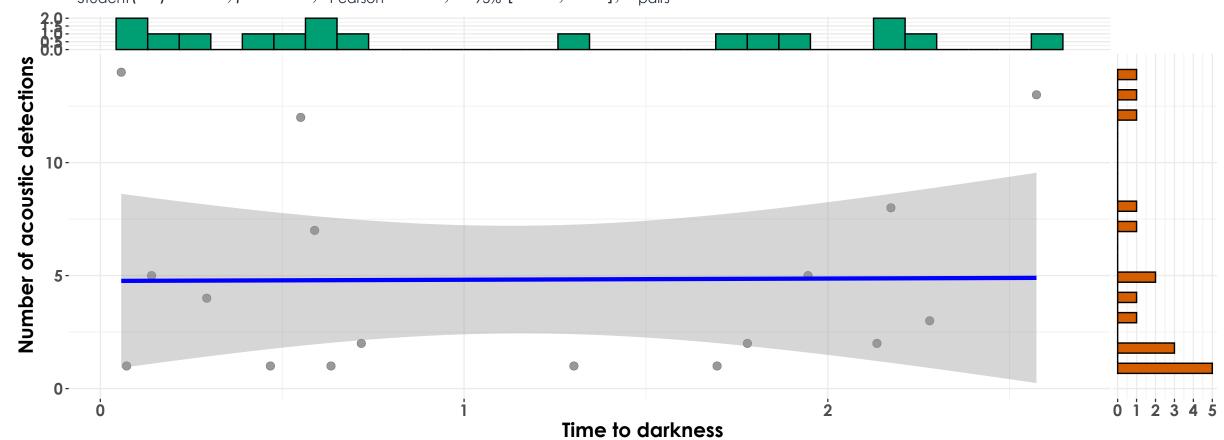
$$log_{e}(BF_{01}) = 1.20$$
,  $\widehat{\rho}_{Pearson}^{posterior} = 0.02$ ,  $Cl_{95\%}^{HDI}$  [-0.35, 0.37],  $r_{beta}^{JZS} = 1.41$ 

$$t_{\text{Student}}(9) = 0.38, p = 0.72, \hat{r}_{\text{Pearson}} = 0.12, \text{Cl}_{95\%} \text{ [-0.51, 0.67]}, n_{\text{pairs}} = 11$$



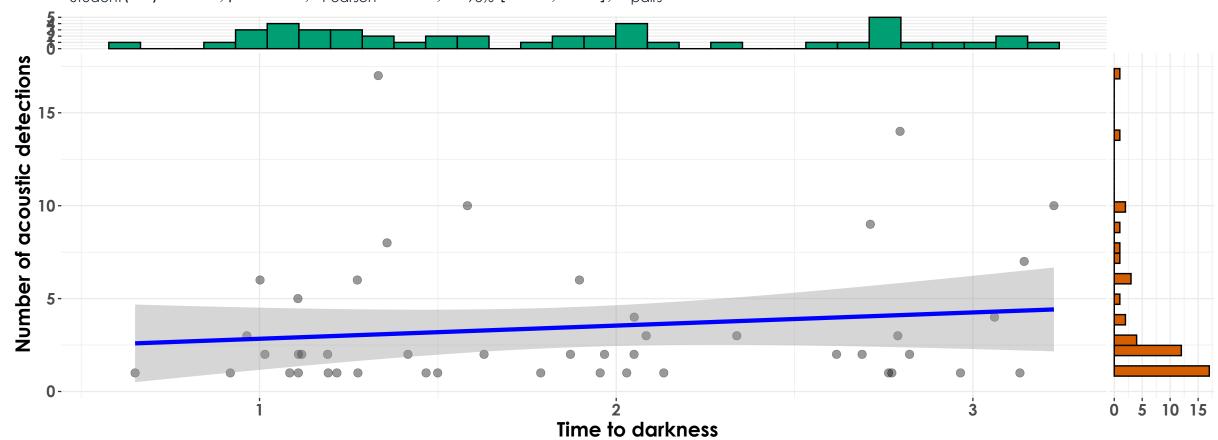
 $log_e(BF_{01}) = 0.77$ ,  $\hat{\rho}_{Pearson}^{posterior} = 0.10$ ,  $Cl_{95\%}^{HDI}$  [-0.44, 0.58],  $r_{beta}^{JZS} = 1.41$ 

$$t_{\text{Student}}(15) = 0.04, p = 0.97, \hat{r}_{\text{Pearson}} = 0.01, \text{Cl}_{95\%} \text{ [-0.47, 0.49]}, n_{\text{pairs}} = 17$$



 $log_{e}(BF_{01}) = 1.02$ ,  $\widehat{\rho}_{Pearson}^{posterior} = 0.01$ ,  $Cl_{95\%}^{HDI}$  [-0.39, 0.44],  $r_{beta}^{JZS} = 1.41$ 

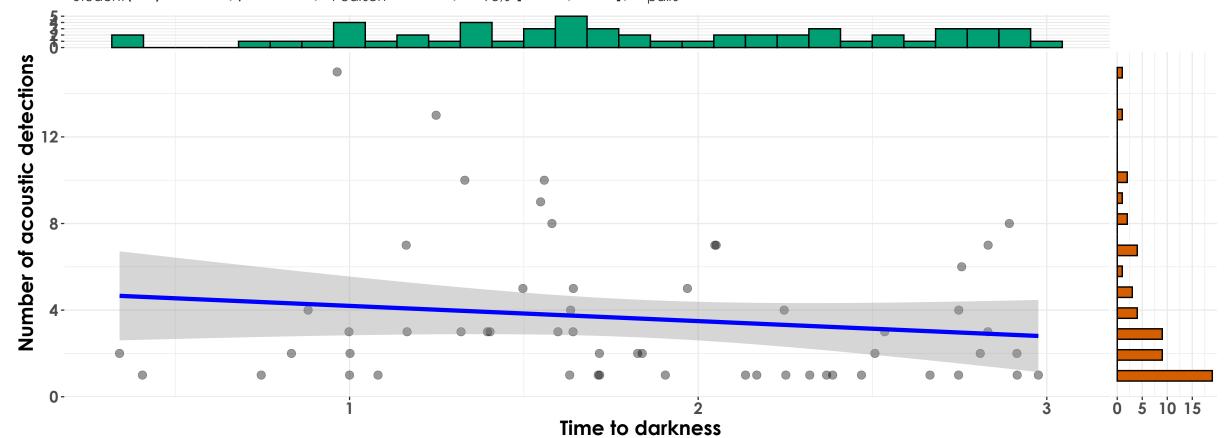
 $t_{\text{Student}}(44) = 0.98, p = 0.33, \hat{r}_{\text{Pearson}} = 0.15, \text{Cl}_{95\%}$  [-0.15, 0.42],  $n_{\text{pairs}} = 46$ 



 $log_e(BF_{01}) = 1.05$ ,  $\hat{\rho}_{Pearson}^{posterior} = 0.14$ ,  $Cl_{95\%}^{HDI}$  [-0.15, 0.38],  $r_{beta}^{JZS} = 1.41$ 

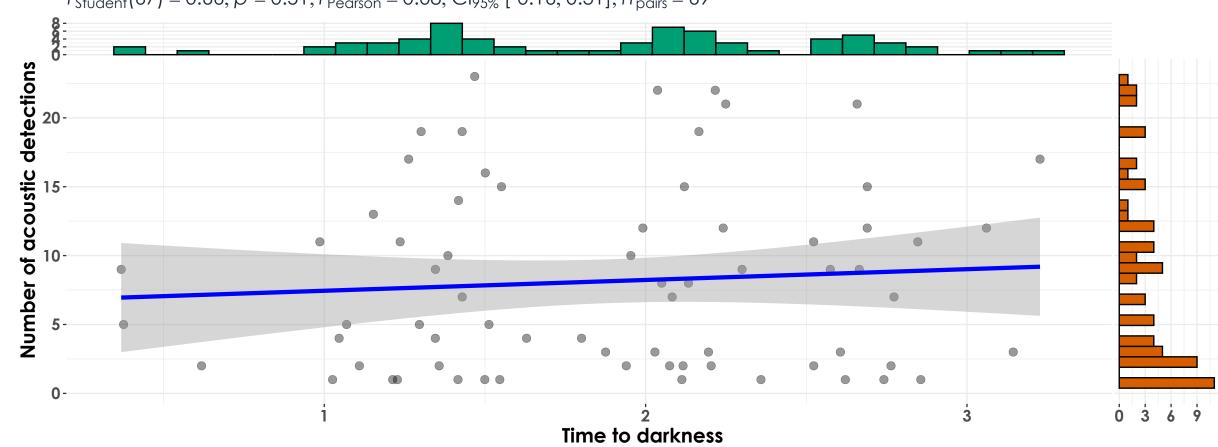
# dusk

 $t_{\text{Student}}(54) = -1.13, p = 0.26, \hat{r}_{\text{Pearson}} = -0.15, \text{Cl}_{95\%} \text{ [-0.40, 0.12]}, n_{\text{pairs}} = 56$ 



 $log_{e}(BF_{01}) = 0.99$ ,  $\hat{\rho}_{Pearson}^{posterior} = -0.14$ ,  $Cl_{95\%}^{HDI}$  [-0.39, 0.09],  $r_{beta}^{JZS} = 1.41$ 

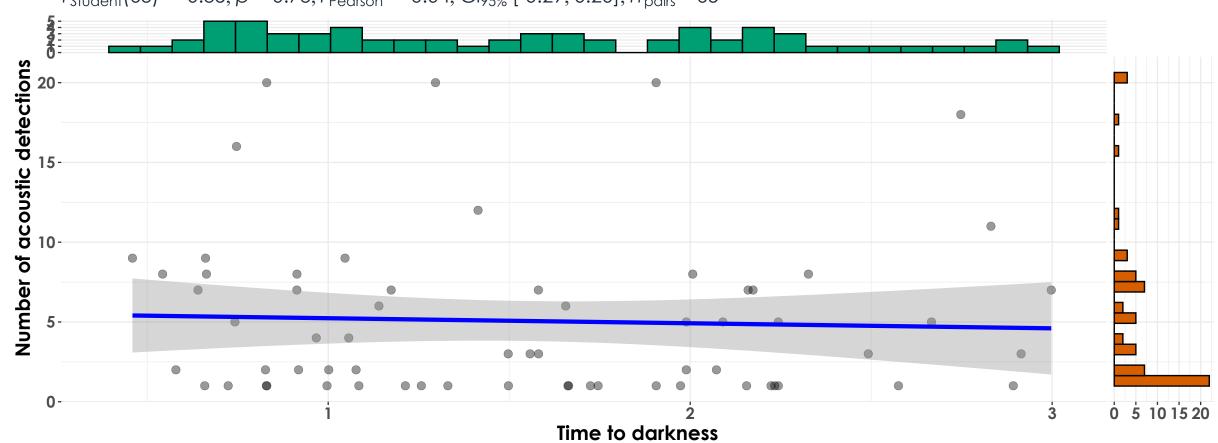
 $t_{\text{Student}}(67) = 0.66, p = 0.51, \hat{r}_{\text{Pearson}} = 0.08, \text{Cl}_{95\%} \text{ [-0.16, 0.31]}, n_{\text{pairs}} = 69$ 



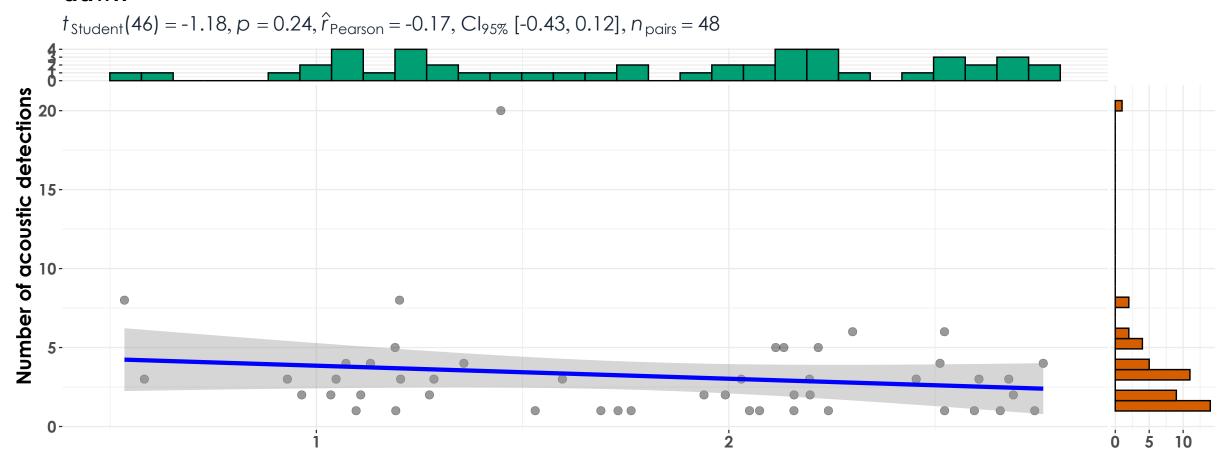
 $log_e(BF_{01}) = 1.49$ ,  $\hat{\rho}_{Pearson}^{posterior} = 0.08$ ,  $Cl_{95\%}^{HDI}$  [-0.16, 0.31],  $r_{beta}^{JZS} = 1.41$ 

# dusk

 $t_{\text{Student}}(63) = -0.35, p = 0.73, \hat{r}_{\text{Pearson}} = -0.04, \text{Cl}_{95\%} \text{ [-0.29, 0.20]}, n_{\text{pairs}} = 65$ 



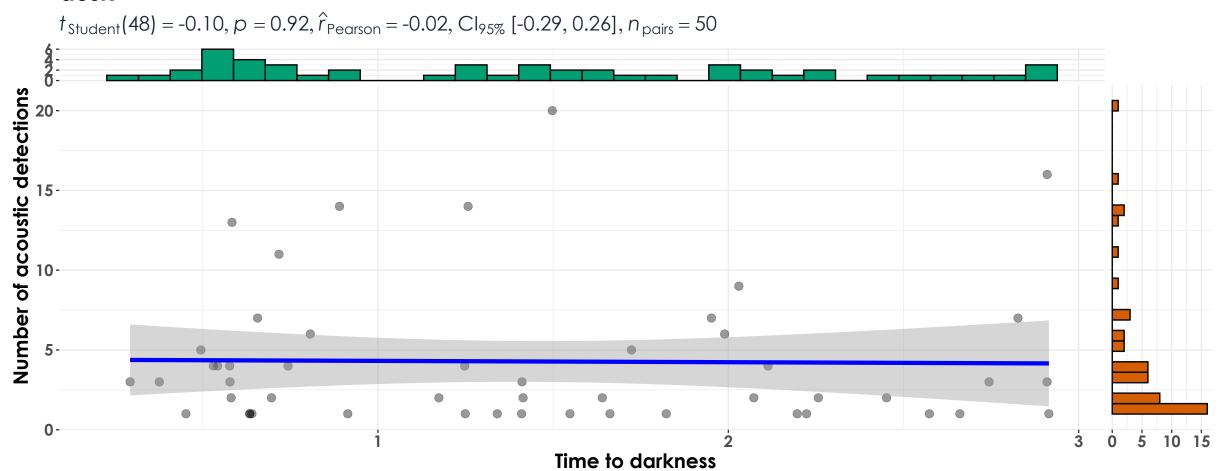
$$log_{e}(BF_{01}) = 1.60$$
,  $\widehat{\rho}_{Pearson}^{posterior} = -0.04$ ,  $Cl_{95\%}^{HDI}$  [-0.27, 0.21],  $r_{beta}^{JZS} = 1.41$ 



Time to darkness

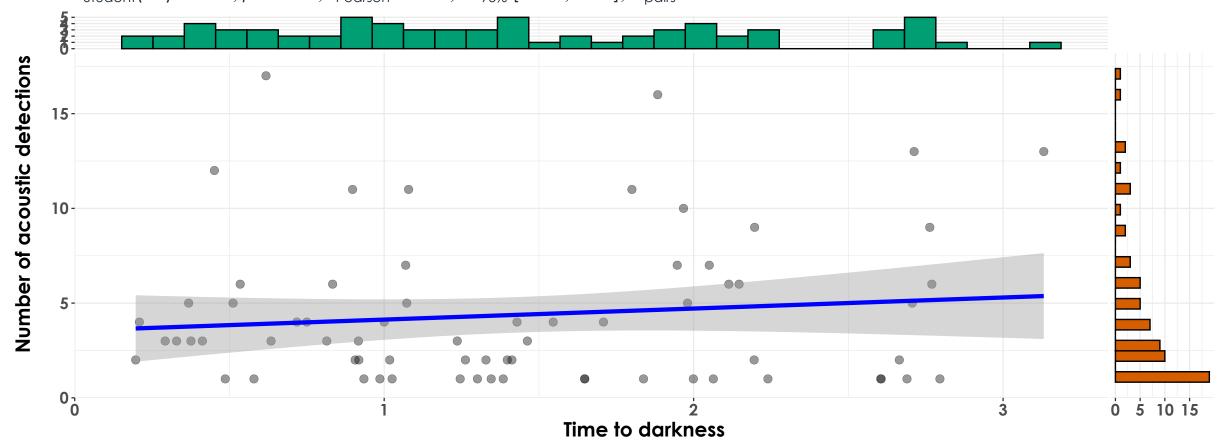






$$log_{e}(BF_{01}) = 1.53$$
,  $\hat{\rho}_{Pearson}^{posterior} = -0.02$ ,  $Cl_{95\%}^{HDI}$  [-0.29, 0.24],  $r_{beta}^{JZS} = 1.41$ 

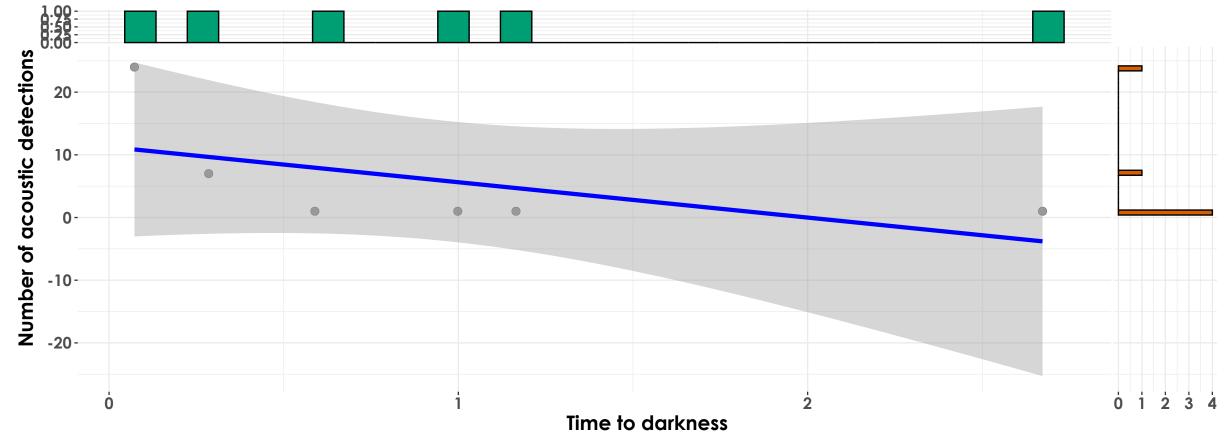
 $t_{\text{Student}}(67) = 0.96, p = 0.34, \hat{r}_{\text{Pearson}} = 0.12, \text{Cl}_{95\%}$  [-0.12, 0.34],  $n_{\text{pairs}} = 69$ 



 $log_{e}(BF_{01}) = 1.25$ ,  $\hat{\rho}_{Pearson}^{posterior} = 0.11$ ,  $Cl_{95\%}^{HDI}$  [-0.12, 0.33],  $r_{beta}^{JZS} = 1.41$ 

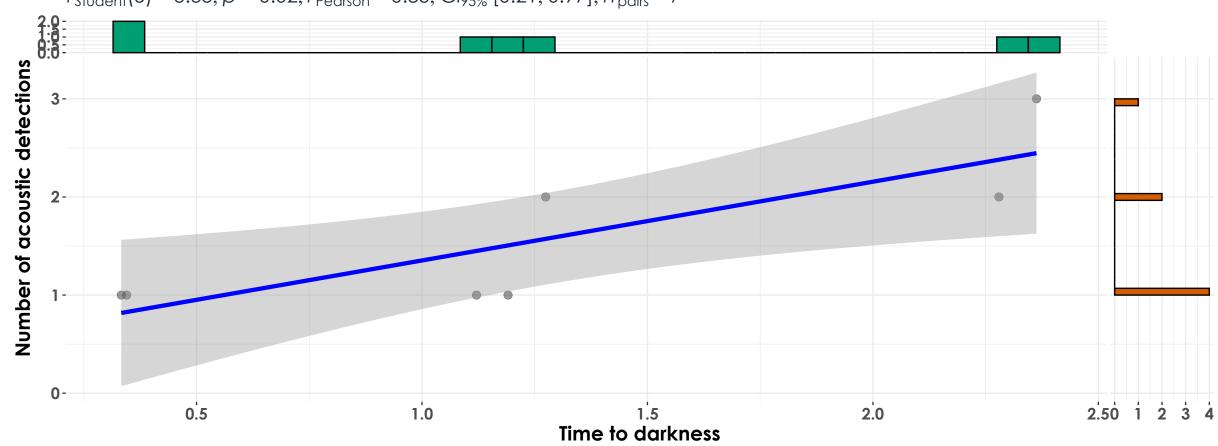


 $t_{\text{Student}}(4) = -1.39, p = 0.24, \hat{r}_{\text{Pearson}} = -0.57, \text{Cl}_{95\%} [-0.94, 0.45], n_{\text{pairs}} = 6$ 



 $log_{e}(BF_{01}) = 0.02$ ,  $\hat{\rho}_{Pearson}^{posterior} = -0.37$ ,  $Cl_{95\%}^{HDI}$  [-0.87, 0.27],  $r_{beta}^{JZS} = 1.41$ 

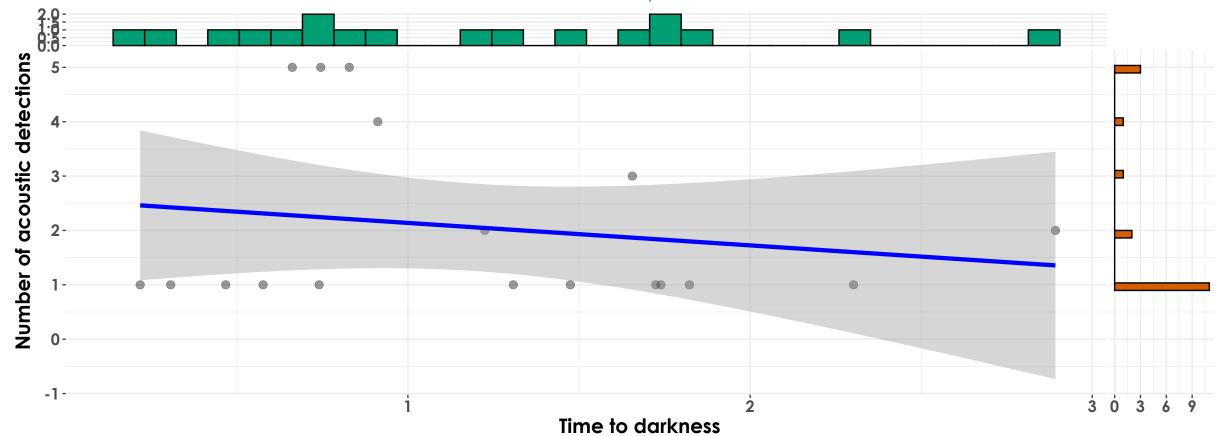
 $t_{\text{Student}}(5) = 3.33, p = 0.02, \hat{r}_{\text{Pearson}} = 0.83, \text{Cl}_{95\%}[0.21, 0.97], n_{\text{pairs}} = 7$ 



$$log_e(BF_{01}) = -1.36$$
,  $\hat{\rho}_{Pearson}^{posterior} = 0.64$ ,  $Cl_{95\%}^{HDI}$  [-0.09, 0.96],  $r_{beta}^{JZS} = 1.41$ 

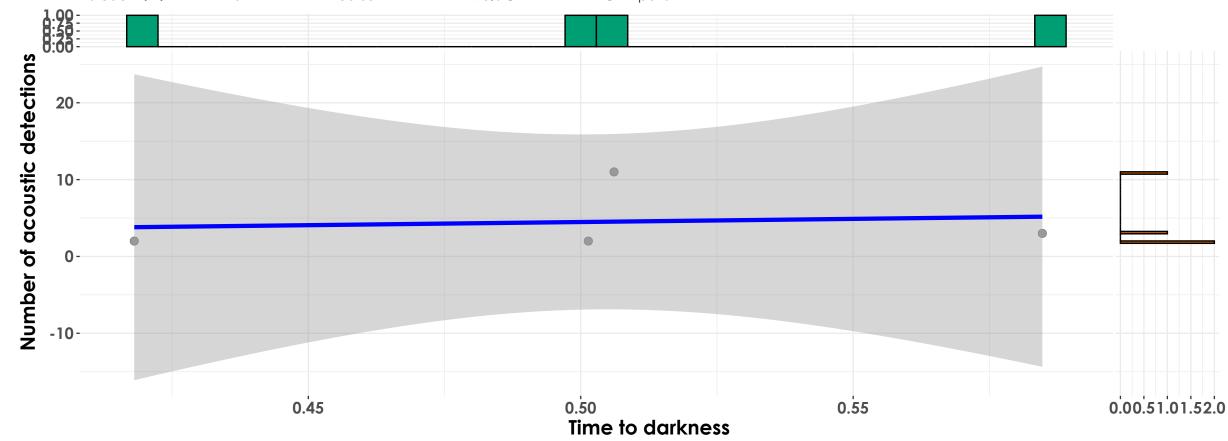
# dusk

 $t_{\text{Student}}(16) = -0.77, p = 0.45, \hat{r}_{\text{Pearson}} = -0.19, \text{Cl}_{95\%}$  [-0.60, 0.31],  $n_{\text{pairs}} = 18$ 



 $log_{e}(BF_{01}) = 0.80, \hat{\rho}_{Pearson}^{posterior} = -0.16, Cl_{95\%}^{HDI} [-0.58, 0.24], r_{beta}^{JZS} = 1.41$ 

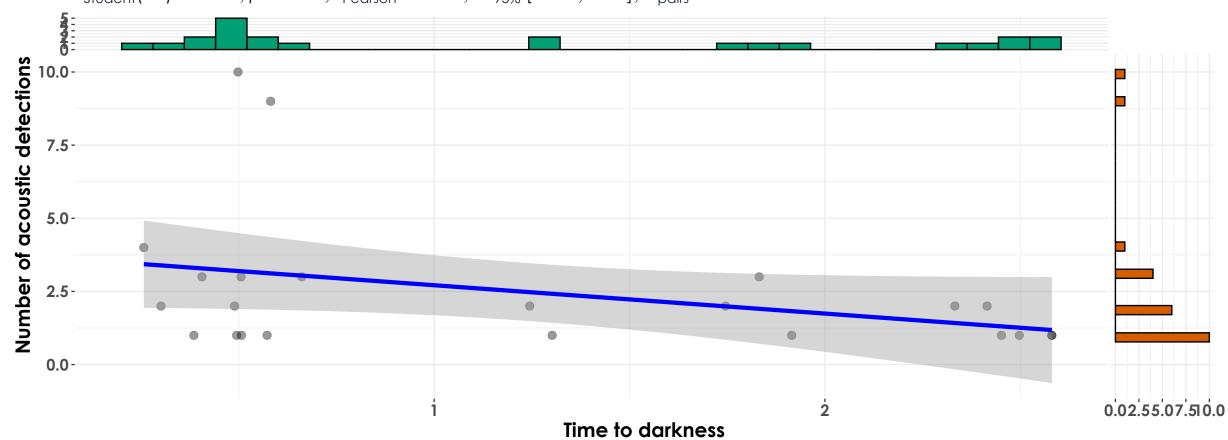
 $t_{\text{Student}}(2) = 0.18, p = 0.87, \hat{r}_{\text{Pearson}} = 0.13, \text{Cl}_{95\%} \text{ [-0.95, 0.97]}, n_{\text{pairs}} = 4$ 



 $log_e(BF_{01}) = 0.39$ ,  $\hat{\rho}_{Pearson}^{posterior} = 0.06$ ,  $Cl_{95\%}^{HDI}$  [-0.64, 0.77],  $r_{beta}^{JZS} = 1.41$ 

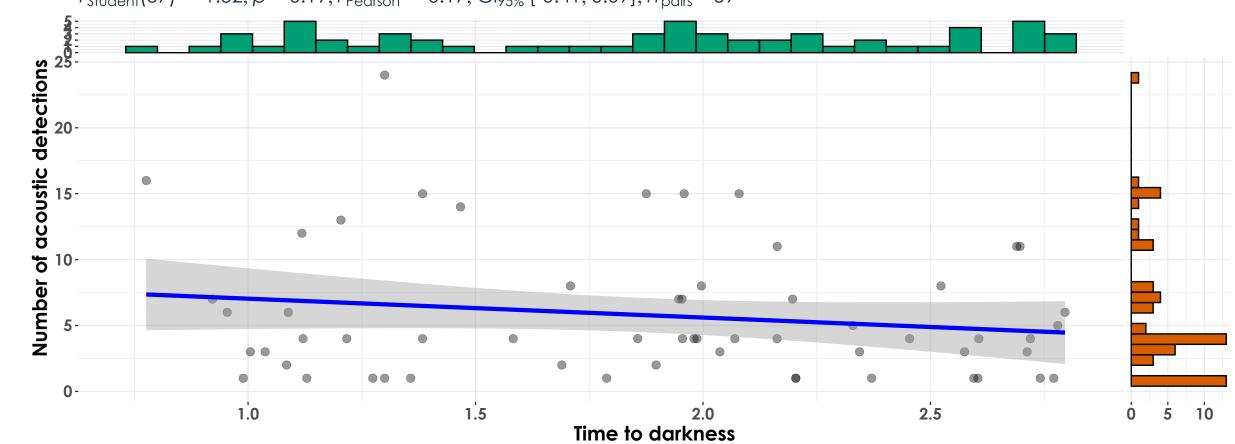
# dusk

 $t_{\text{Student}}(21) = -1.78, p = 0.09, \hat{r}_{\text{Pearson}} = -0.36, \text{Cl}_{95\%} \text{ [-0.67, 0.06]}, n_{\text{pairs}} = 23$ 



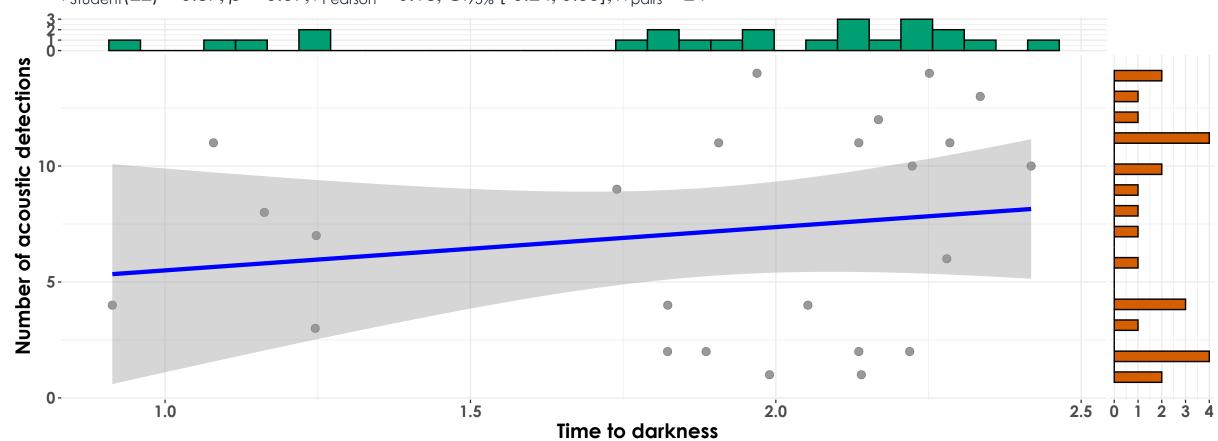
 $log_e(BF_{01}) = -0.15$ ,  $\hat{\rho}_{Pearson}^{posterior} = -0.33$ ,  $Cl_{95\%}^{HDI}$  [-0.65, 0.05],  $r_{beta}^{JZS} = 1.41$ 

$$t_{\text{Student}}(57) = -1.32, p = 0.19, \hat{r}_{\text{Pearson}} = -0.17, \text{Cl}_{95\%} \text{ [-0.41, 0.09]}, n_{\text{pairs}} = 59$$



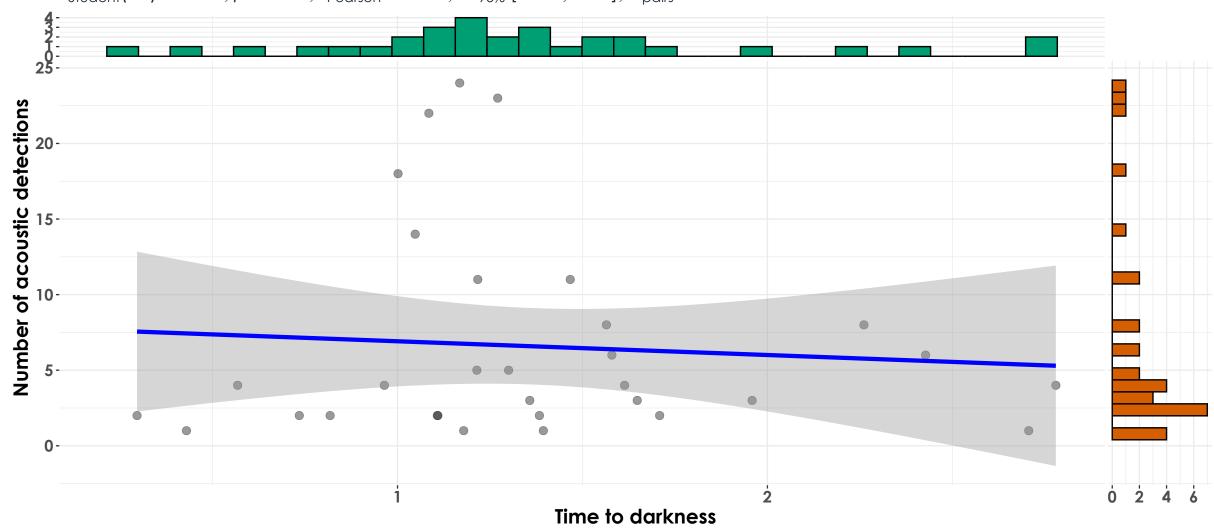
 $log_e(BF_{01}) = 0.80$ ,  $\hat{\rho}_{Pearson}^{posterior} = -0.16$ ,  $Cl_{95\%}^{HDI}$  [-0.40, 0.07],  $r_{beta}^{JZS} = 1.41$ 

$$t_{\text{Student}}(22) = 0.87, p = 0.39, \hat{r}_{\text{Pearson}} = 0.18, \text{Cl}_{95\%} \text{ [-0.24, 0.55]}, n_{\text{pairs}} = 24$$



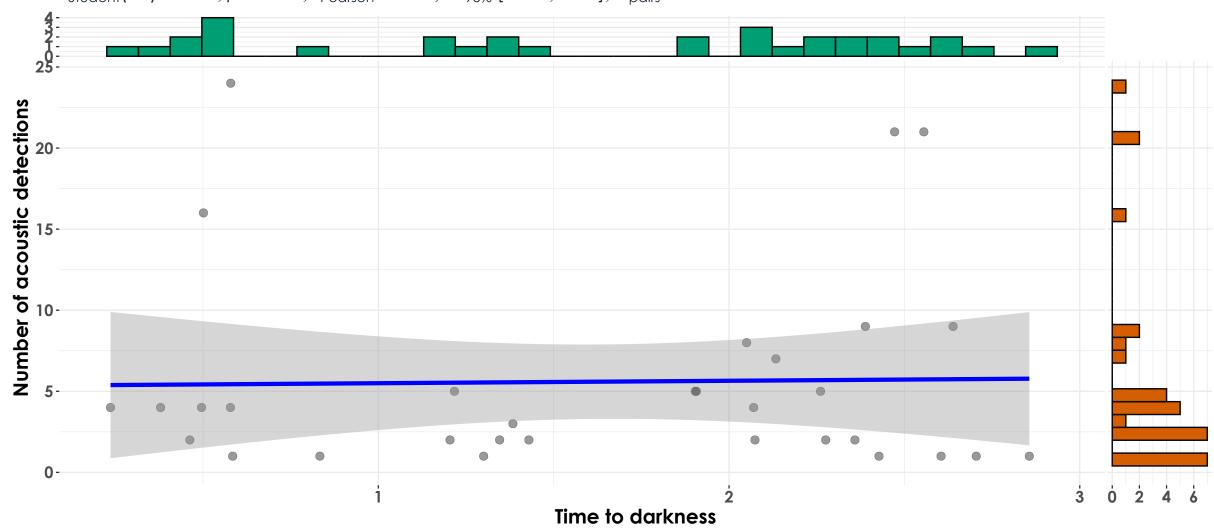
 $log_e(BF_{01}) = 0.85$ ,  $\hat{\rho}_{Pearson}^{posterior} = 0.16$ ,  $Cl_{95\%}^{HDI}$  [-0.23, 0.50],  $r_{beta}^{JZS} = 1.41$ 

 $t_{\text{Student}}(29) = -0.43, p = 0.67, \hat{r}_{\text{Pearson}} = -0.08, \text{Cl}_{95\%} \text{ [-0.42, 0.28]}, n_{\text{pairs}} = 31$ 



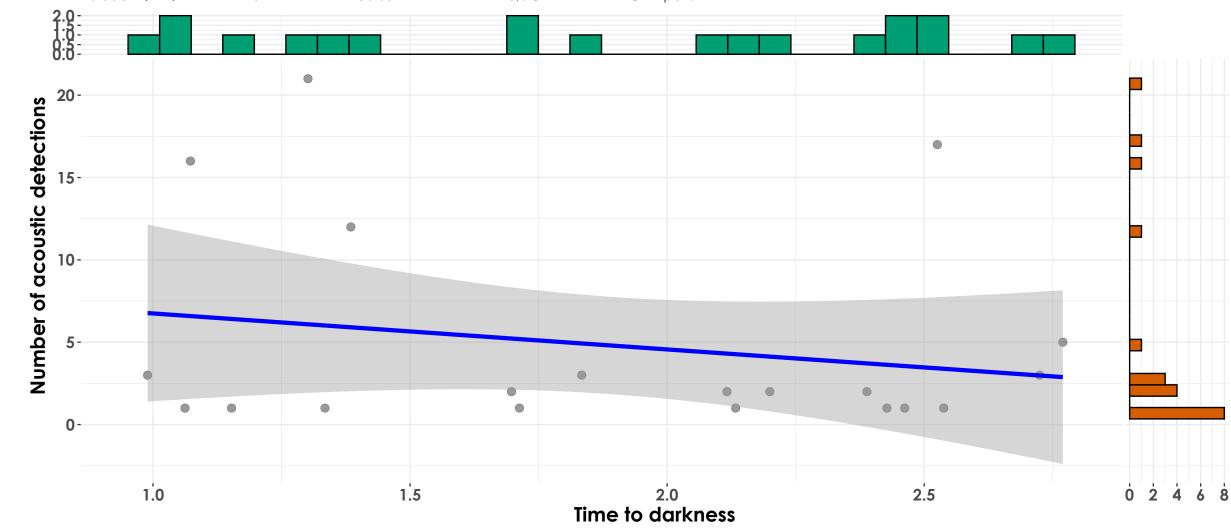
 $log_{e}(BF_{01}) = 1.22$ ,  $\hat{\rho}_{Pearson}^{posterior} = -0.08$ ,  $Cl_{95\%}^{HDI}$  [-0.39, 0.27],  $r_{beta}^{JZS} = 1.41$ 

 $t_{\text{Student}}(30) = 0.11, p = 0.91, \hat{r}_{\text{Pearson}} = 0.02, \text{Cl}_{95\%} \text{ [-0.33, 0.37]}, n_{\text{pairs}} = 32$ 



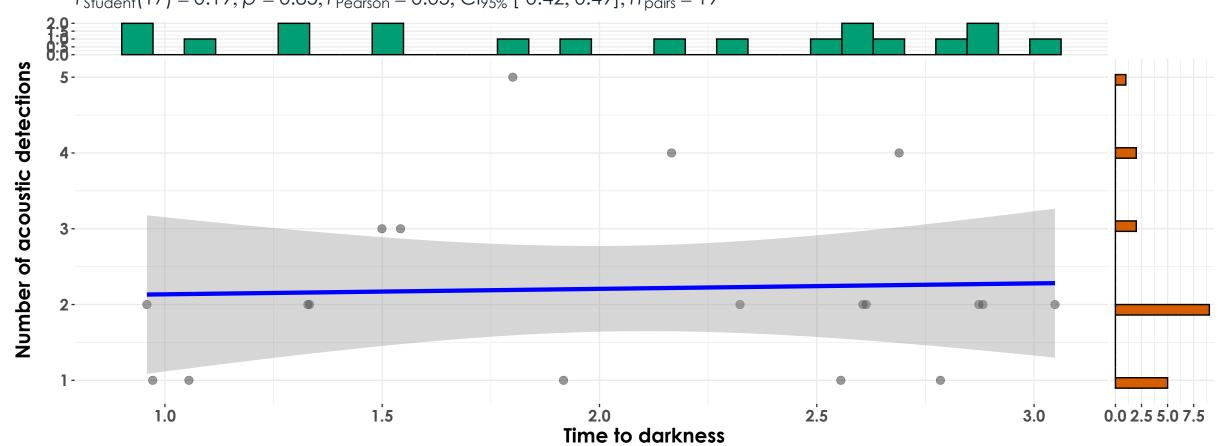
 $log_{e}(BF_{01}) = 1.31, \hat{\rho}_{Pearson}^{posterior} = 0.02, Cl_{95\%}^{HDI} [-0.31, 0.35], r_{beta}^{JZS} = 1.41$ 

 $t_{\text{Student}}(18) = -0.92, p = 0.37, \hat{r}_{\text{Pearson}} = -0.21, \text{Cl}_{95\%} \text{ [-0.60, 0.25]}, n_{\text{pairs}} = 20$ 



 $log_{e}(BF_{01}) = 0.73$ ,  $\hat{\rho}_{Pearson}^{posterior} = -0.19$ ,  $Cl_{95\%}^{HDI}$  [-0.56, 0.23],  $r_{beta}^{JZS} = 1.41$ 

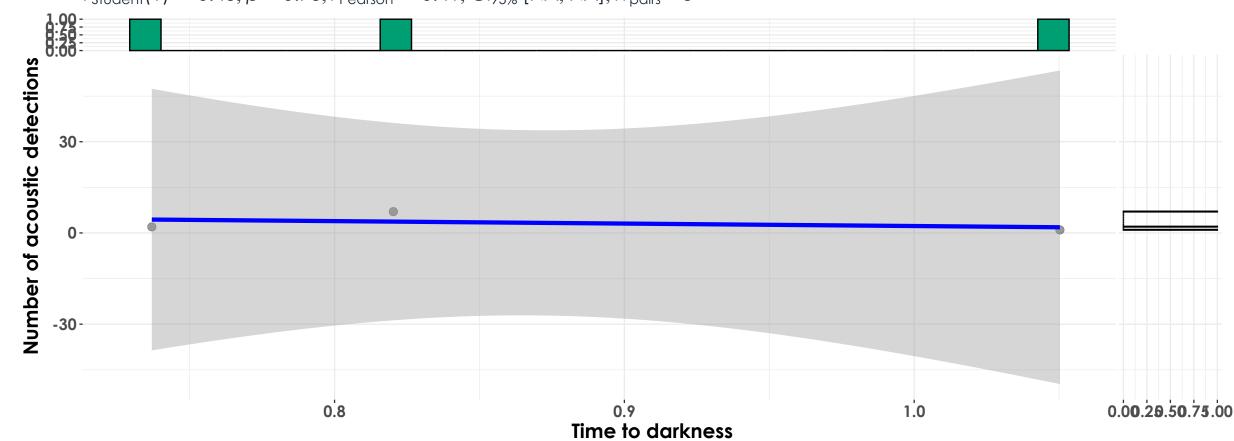
 $t_{\text{Student}}(17) = 0.19, p = 0.85, \hat{r}_{\text{Pearson}} = 0.05, \text{Cl}_{95\%}$  [-0.42, 0.49],  $n_{\text{pairs}} = 19$ 



$$log_e(BF_{01}) = 1.06$$
,  $\hat{\rho}_{Pearson}^{posterior} = 0.04$ ,  $Cl_{95\%}^{HDI}$  [-0.37, 0.44],  $r_{beta}^{JZS} = 1.41$ 

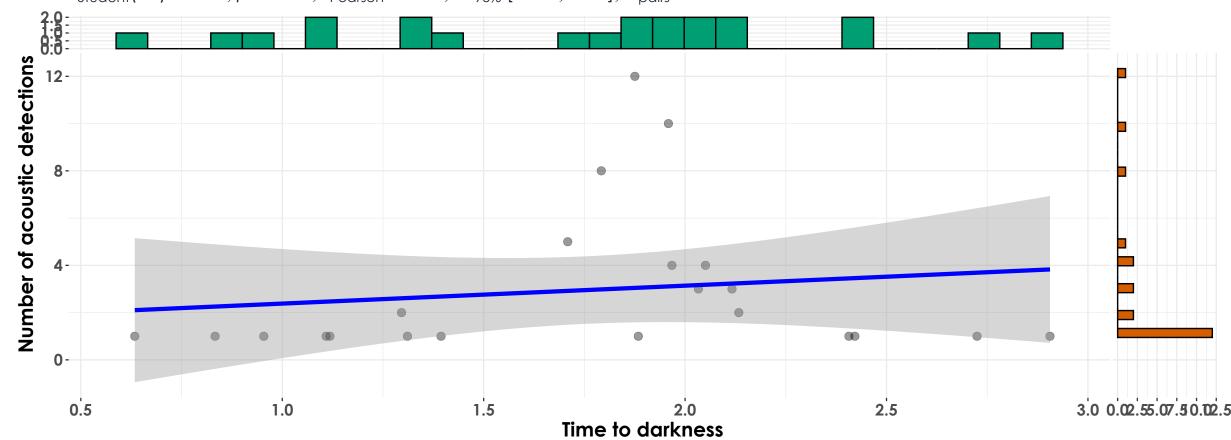
# dusk

 $t_{\text{Student}}(1) = -0.45, p = 0.73, \hat{r}_{\text{Pearson}} = -0.41, \text{Cl}_{95\%} \text{ [NA, NA]}, n_{\text{pairs}} = 3$ 



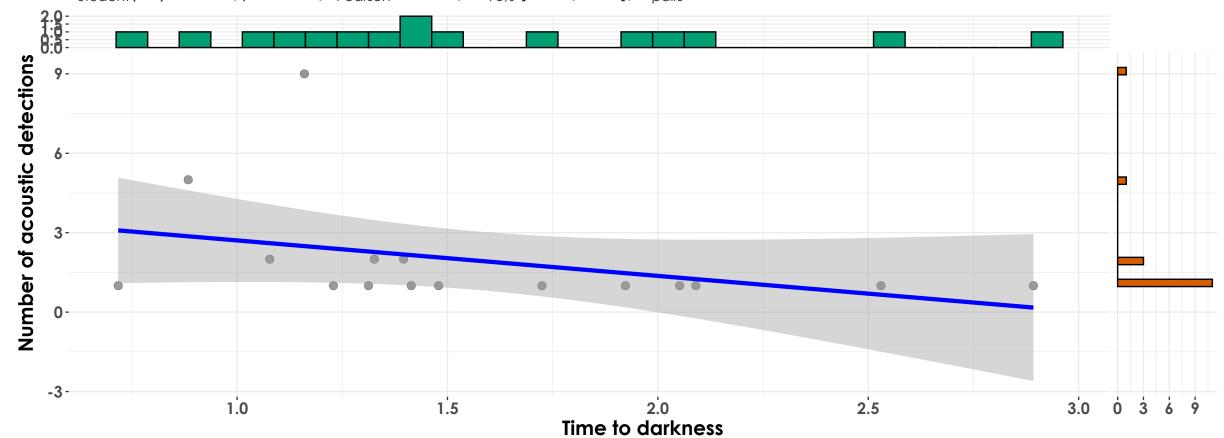
$$log_{e}(BF_{01}) = 0.24, \\ \widehat{\rho}_{Pearson}^{posterior} = -0.15, \\ Cl_{95\%}^{HDI} \text{ [-0.81, 0.69]}, \\ r_{beta}^{JZS} = 1.41 \\$$

$$t_{\text{Student}}(20) = 0.66, p = 0.52, \hat{r}_{\text{Pearson}} = 0.15, \text{Cl}_{95\%} \text{ [-0.29, 0.53]}, n_{\text{pairs}} = 22$$



 $log_e(BF_{01}) = 0.95$ ,  $\hat{\rho}_{Pearson}^{posterior} = 0.13$ ,  $Cl_{95\%}^{HDI}$  [-0.26, 0.49],  $r_{beta}^{JZS} = 1.41$ 

$$t_{\text{Student}}(14) = -1.49, p = 0.16, \hat{r}_{\text{Pearson}} = -0.37, \text{Cl}_{95\%}$$
 [-0.73, 0.15],  $n_{\text{pairs}} = 16$ 

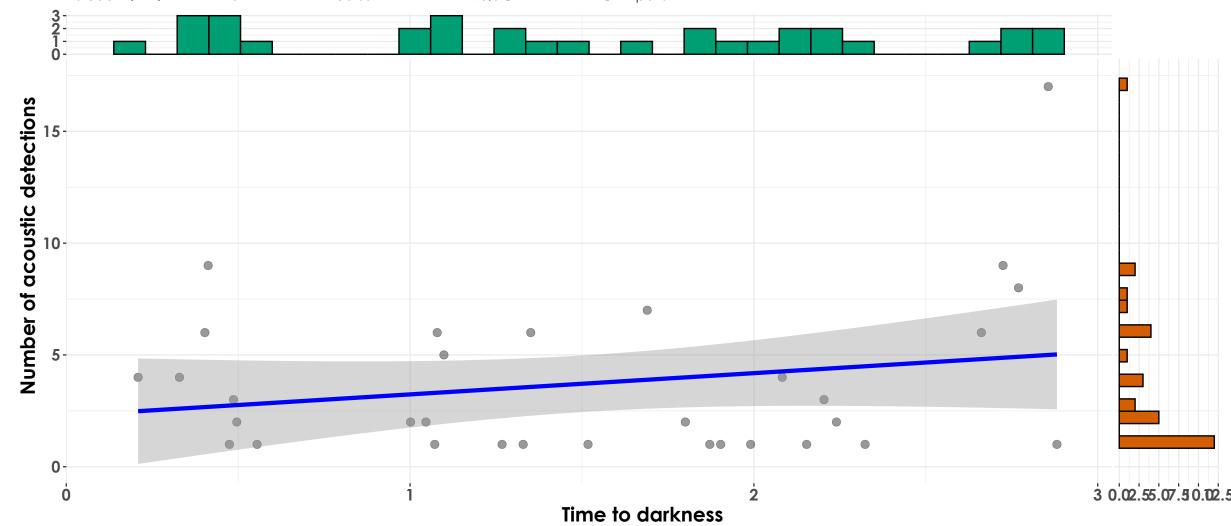


$$log_{e}(BF_{01}) = 0.12, \\ \widehat{\rho}_{Pearson}^{posterior} = -0.31, \\ Cl_{95\%}^{HDI} \\ [-0.69, 0.12], \\ r_{beta}^{JZS} = 1.41$$

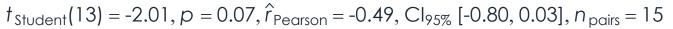
### Oriental Magpie-Robin

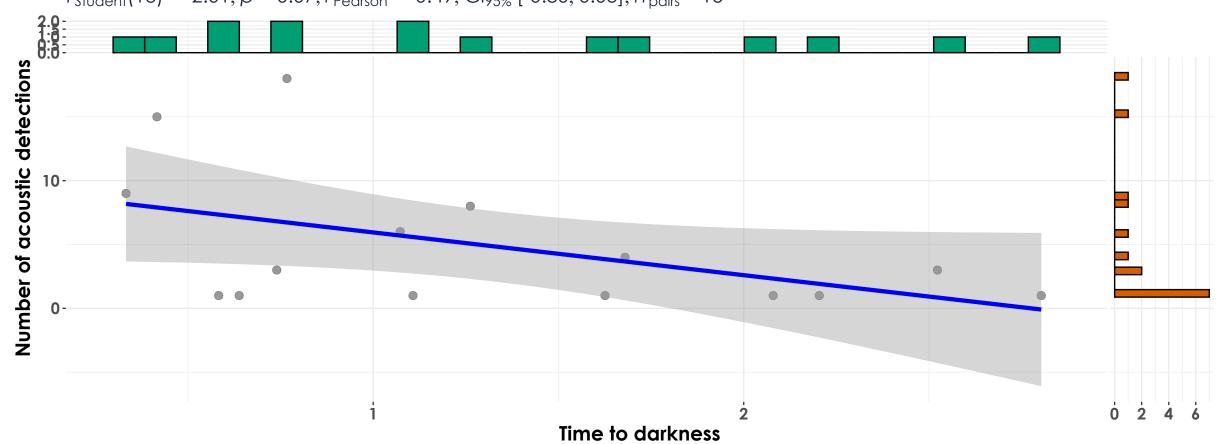
# dawn

 $t_{\text{Student}}(30) = 1.27, p = 0.22, \hat{r}_{\text{Pearson}} = 0.23, \text{Cl}_{95\%} \text{ [-0.13, 0.53]}, n_{\text{pairs}} = 32$ 



 $log_{e}(BF_{01}) = 0.60$ ,  $\hat{\rho}_{Pearson}^{posterior} = 0.20$ ,  $Cl_{95\%}^{HDI}$  [-0.12, 0.52],  $r_{beta}^{JZS} = 1.41$ 





 $log_e(BF_{01}) = -0.51$ ,  $\hat{\rho}_{Pearson}^{posterior} = -0.41$ ,  $Cl_{95\%}^{HDI}$  [-0.78, -1.47e-03],  $r_{beta}^{JZS} = 1.41$ 

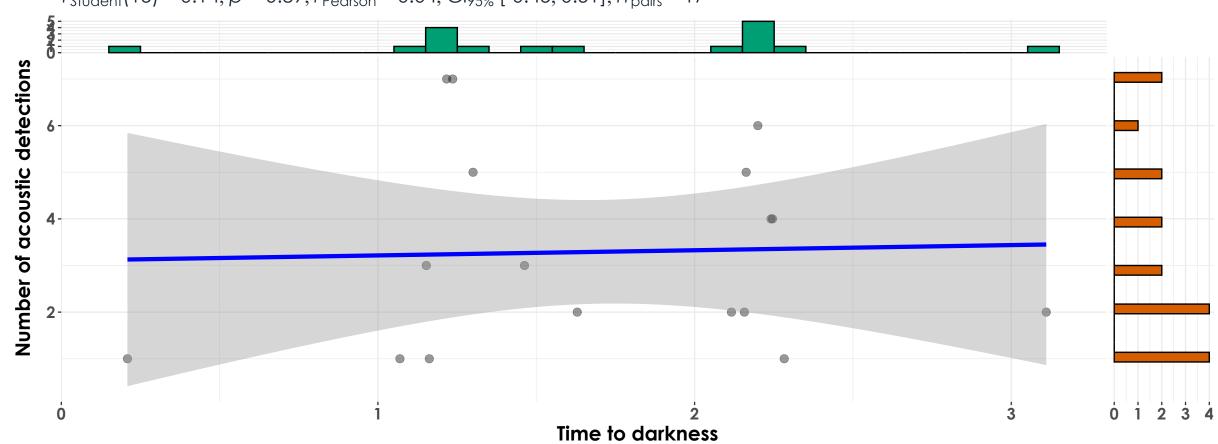


# Student (26) = 0.87, p = 0.39,  $\hat{r}_{Pearson}$  = 0.17,  $Cl_{95\%}$  [-0.22, 0.51],  $n_{pairs}$  = 28

Time to darkness

$$log_e(BF_{01}) = 0.92$$
,  $\hat{\rho}_{Pearson}^{posterior} = 0.14$ ,  $Cl_{95\%}^{HDI}$  [-0.20, 0.47],  $r_{beta}^{JZS} = 1.41$ 

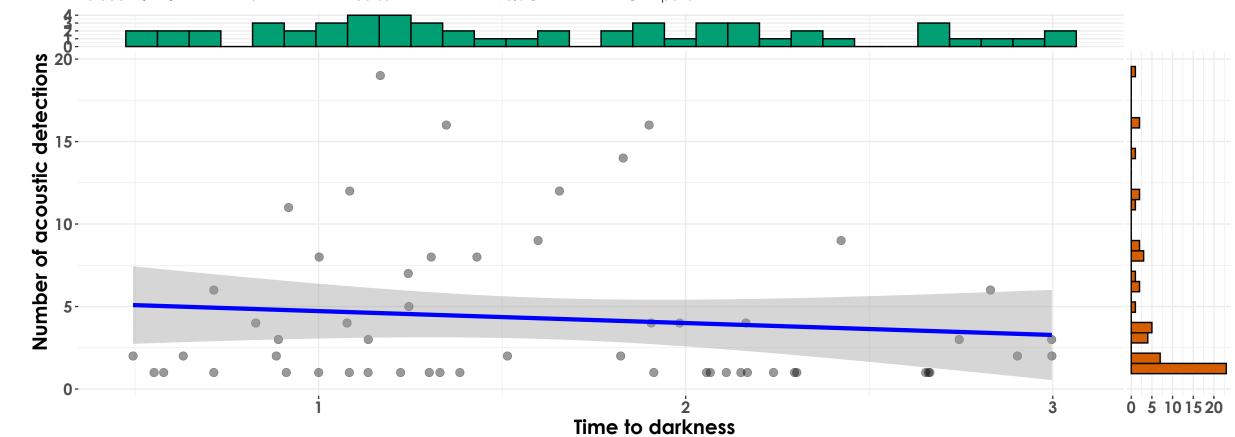
 $t_{\text{Student}}(15) = 0.14, p = 0.89, \hat{r}_{\text{Pearson}} = 0.04, \text{Cl}_{95\%} \text{ [-0.45, 0.51]}, n_{\text{pairs}} = 17$ 



 $log_{e}(BF_{01}) = 1.01$ ,  $\hat{\rho}_{Pearson}^{posterior} = 0.02$ ,  $Cl_{95\%}^{HDI}$  [-0.42, 0.45],  $r_{beta}^{JZS} = 1.41$ 

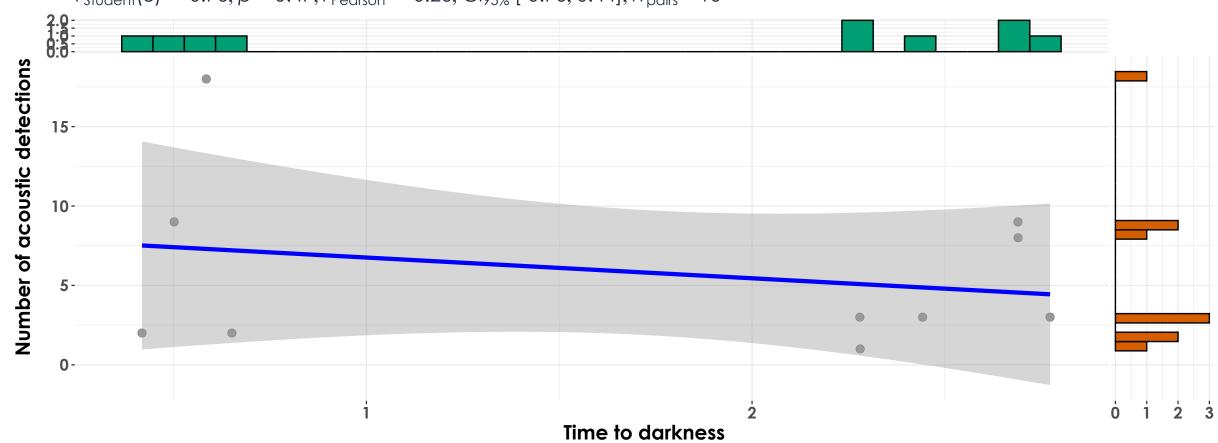


 $t_{\text{Student}}(53) = -0.82, p = 0.42, \hat{r}_{\text{Pearson}} = -0.11, \text{Cl}_{95\%} \text{ [-0.37, 0.16]}, n_{\text{pairs}} = 55$ 



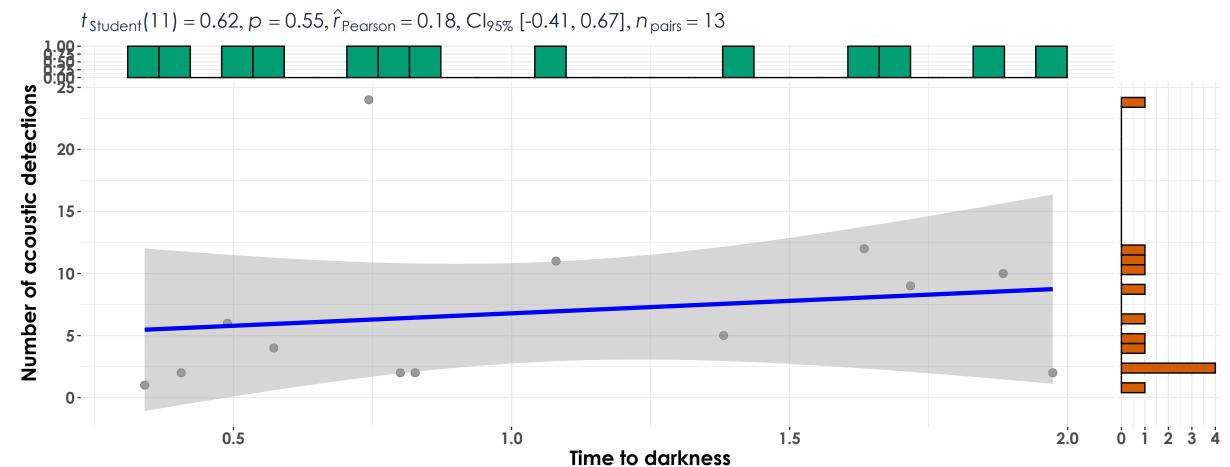
 $log_{e}(BF_{01}) = 1.26$ ,  $\widehat{\rho}_{Pearson}^{posterior} = -0.10$ ,  $Cl_{95\%}^{HDI}$  [-0.35, 0.15],  $r_{beta}^{JZS} = 1.41$ 

$$t_{\text{Student}}(8) = -0.76, p = 0.47, \hat{r}_{\text{Pearson}} = -0.26, \text{Cl}_{95\%} [-0.76, 0.44], n_{\text{pairs}} = 10$$



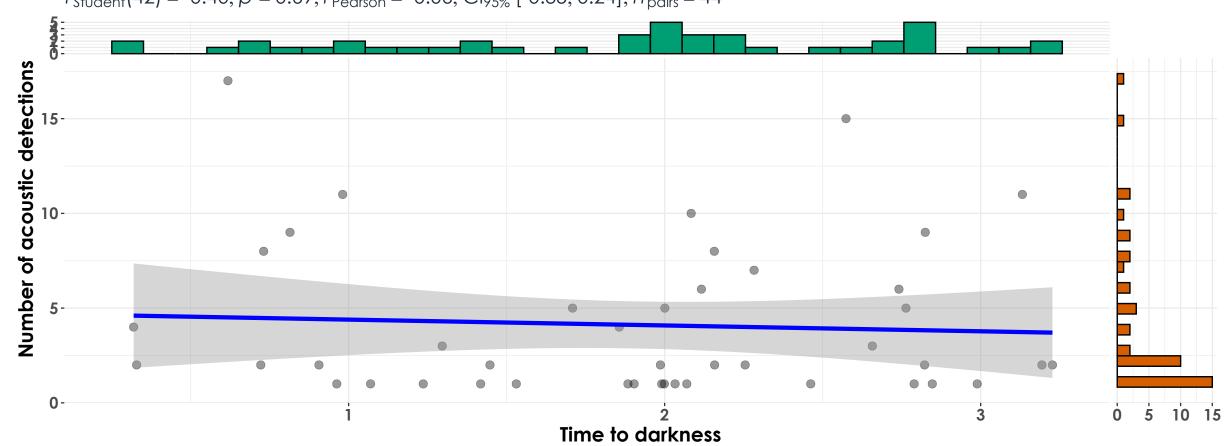
 $log_e(BF_{01}) = 0.56$ ,  $\hat{\rho}_{Pearson}^{posterior} = -0.19$ ,  $Cl_{95\%}^{HDI}$  [-0.66, 0.35],  $r_{beta}^{JZS} = 1.41$ 





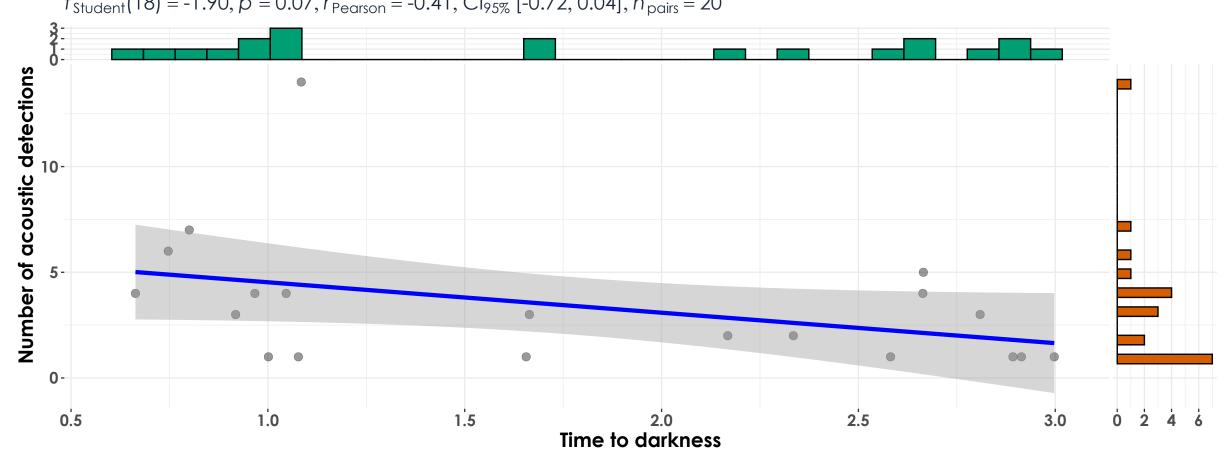
$$log_e(BF_{01}) = 0.74$$
,  $\hat{\rho}_{Pearson}^{posterior} = 0.13$ ,  $Cl_{95\%}^{HDI}$  [-0.37, 0.60],  $r_{beta}^{JZS} = 1.41$ 

$$t_{\text{Student}}(42) = -0.40, p = 0.69, \hat{r}_{\text{Pearson}} = -0.06, \text{Cl}_{95\%} \text{ [-0.35, 0.24]}, n_{\text{pairs}} = 44$$



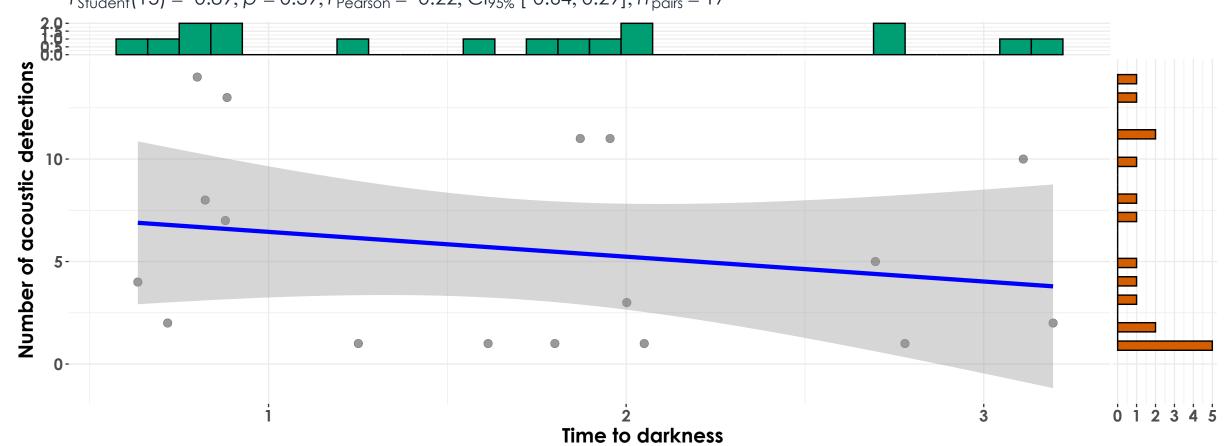
$$log_{e}(BF_{01}) = 1.40$$
,  $\hat{\rho}_{Pearson}^{posterior} = -0.06$ ,  $Cl_{95\%}^{HDI}$  [-0.34, 0.24],  $r_{beta}^{JZS} = 1.41$ 

$$t_{\text{Student}}(18) = -1.90, p = 0.07, \hat{r}_{\text{Pearson}} = -0.41, \text{Cl}_{95\%} \text{ [-0.72, 0.04]}, n_{\text{pairs}} = 20$$



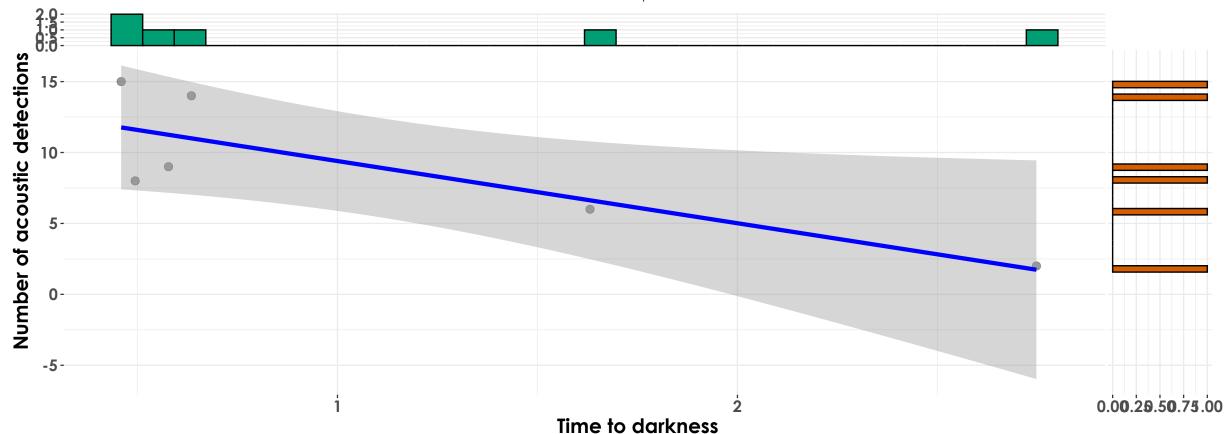
$$log_{e}(BF_{01}) = -0.34$$
,  $\widehat{\rho}_{Pearson}^{posterior} = -0.36$ ,  $Cl_{95\%}^{HDI}$  [-0.67, 0.04],  $r_{beta}^{JZS} = 1.41$ 

$$t_{\text{Student}}(15) = -0.89, p = 0.39, \hat{r}_{\text{Pearson}} = -0.22, \text{Cl}_{95\%} \text{ [-0.64, 0.29]}, n_{\text{pairs}} = 17$$



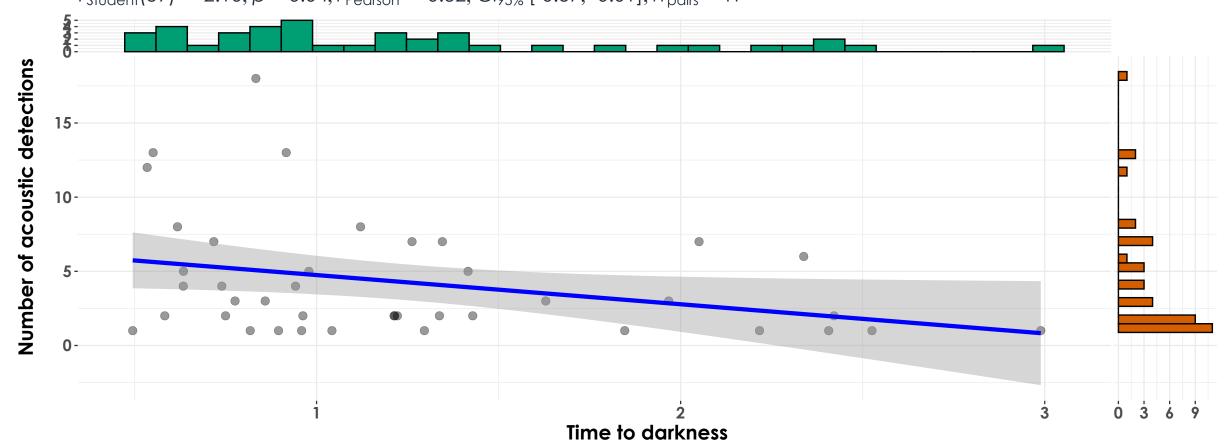
$$log_e(BF_{01}) = 0.69$$
,  $\hat{\rho}_{Pearson}^{posterior} = -0.19$ ,  $Cl_{95\%}^{HDI}$  [-0.60, 0.24],  $r_{beta}^{JZS} = 1.41$ 

$$t_{\text{Student}}(4) = -2.94, p = 0.04, \hat{r}_{\text{Pearson}} = -0.83, \text{Cl}_{95\%} \text{ [-0.98, -0.05]}, n_{\text{pairs}} = 6$$



$$log_{e}(BF_{01}) = -0.92$$
,  $\hat{\rho}_{Pearson}^{posterior} = -0.59$ ,  $Cl_{95\%}^{HDI}$  [-0.95, -0.04],  $r_{beta}^{JZS} = 1.41$ 

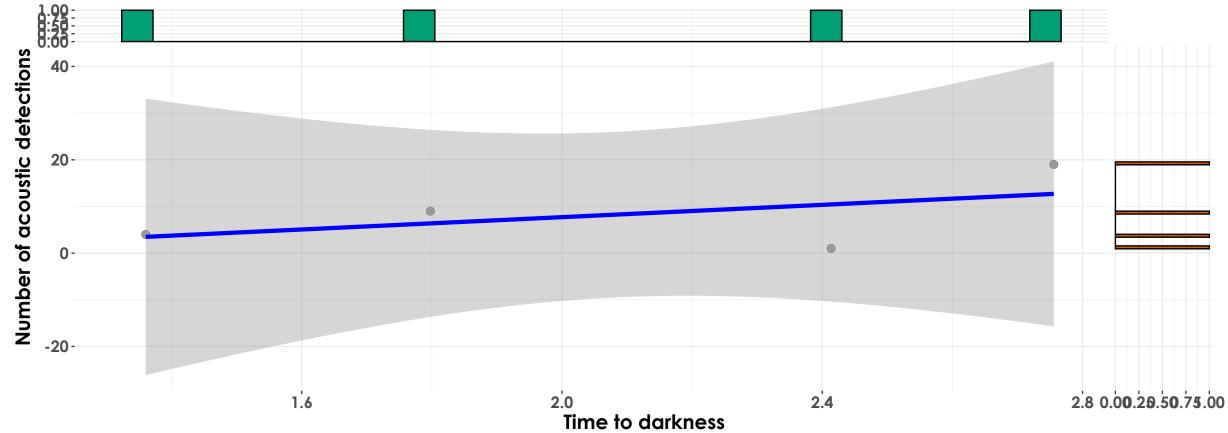
 $t_{\text{Student}}(39) = -2.10, p = 0.04, \hat{r}_{\text{Pearson}} = -0.32, \text{Cl}_{95\%} \text{ [-0.57, -0.01]}, n_{\text{pairs}} = 41$ 



$$log_{e}(BF_{01}) = -0.51$$
,  $\widehat{\rho}_{Pearson}^{posterior} = -0.30$ ,  $Cl_{95\%}^{HDI}$  [-0.57, -0.01],  $r_{beta}^{JZS} = 1.41$ 

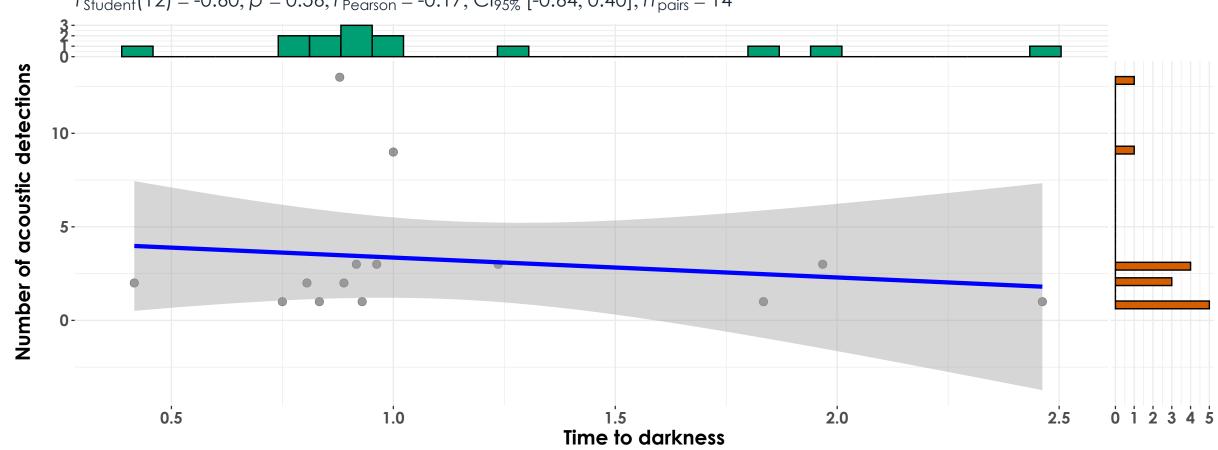
## dusk

 $t_{\text{Student}}(2) = 0.86, p = 0.48, \hat{r}_{\text{Pearson}} = 0.52, \text{Cl}_{95\%} \text{ [-0.88, 0.99]}, n_{\text{pairs}} = 4$ 



 $log_e(BF_{01}) = 0.20$ ,  $\hat{\rho}_{Pearson}^{posterior} = 0.24$ ,  $Cl_{95\%}^{HDI}$  [-0.52, 0.86],  $r_{beta}^{JZS} = 1.41$ 

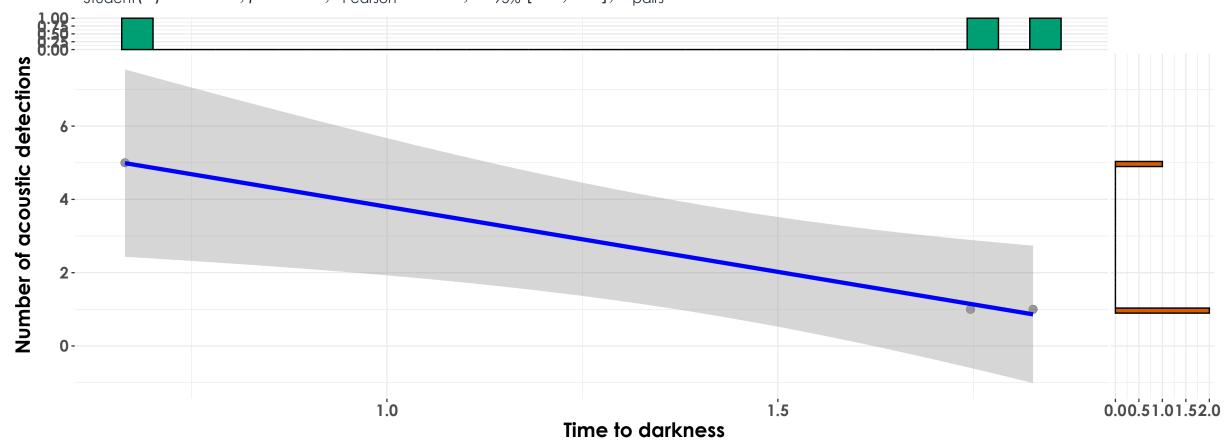
 $t_{\text{Student}}(12) = -0.60, p = 0.56, \hat{r}_{\text{Pearson}} = -0.17, \text{Cl}_{95\%} \text{ [-0.64, 0.40]}, n_{\text{pairs}} = 14$ 



$$log_{e}(BF_{01}) = 0.78$$
,  $\hat{\rho}_{Pearson}^{posterior} = -0.14$ ,  $Cl_{95\%}^{HDI}$  [-0.62, 0.32],  $r_{beta}^{JZS} = 1.41$ 

# dusk

 $t_{\text{Student}}(1) = -16.19, p = 0.04, \hat{r}_{\text{Pearson}} = -1.00, \text{Cl}_{95\%} \text{ [NA, NA]}, n_{\text{pairs}} = 3$ 



 $log_e(BF_{01}) = , \hat{\rho}_{Pearson}^{posterior} = -0.52, Cl_{95\%}^{HDI} [-0.95, 0.15], r_{beta}^{JZS} = 1.41$