

1. $r = 0.95$: strength and direction?

Near +1

Answer: strong positive**2. $r = -0.88$: strength and direction?**

Near -1

Answer: strong negative**3. $r = 0.10$: strength?**

Near 0

Answer: weak (almost none)**4. Which is a STRONGER relationship: $r = 0.6$ or $r = -0.9$?**

Compare distance from 0

Answer: $r = -0.9$ **5. $r = -1$ means what exactly?**

Perfect line, downward

Answer: perfect negative linear fit**6. Can r be 1.5?**

Range is -1 to 1

Answer: no - impossible**7. A near-zero r means a LINE is a good model. True or false?**

Weak linear relationship

Answer: false - a line fits poorly**8. Order by strength: $r = 0.3$, $r = -0.7$, $r = 0.5$.**By $|r|$ **Answer: -0.7, 0.5, 0.3****9. $r = -0.98$ for hours-of-TV vs test-score (Trainer echo). Interpret fully in context. ★ challenge**

Strong, negative

Answer: more TV strongly linked to lower scores**10. Two studies: A has $r = 0.85$, B has $r = -0.85$. Which model predicts better, and how do their lines differ?**Same $|r|$ = equal strength**Answer: equal predictive power; A slopes up, B down**