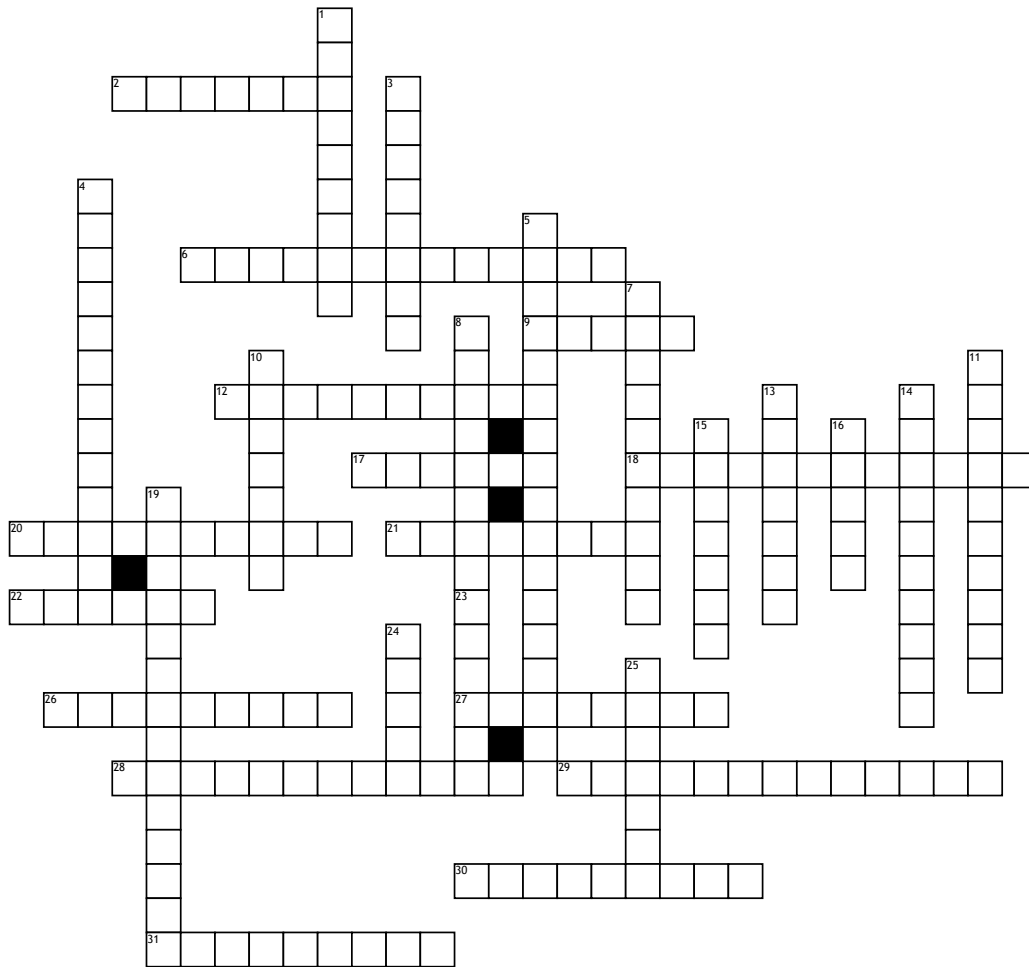# A Statistical Crossword Puzzle

Across

2. A dotted line in 10 Down

6. Has parameters d1 and d2

9. Probability of detecting an effect, if there is one

12. Quantifying how two variables move together

17. A way of normalizing two data points for comparison

18. A type of bias where pride is a factor

20. Type of correction when dealing with multiple hypothesis tests

21. A point with high influence on a model has this

22. Graph shape of asymmetrical data

23. A powerful type of statistical software

26. A distribution where each event could have one of two outcomes

27. First principle of experiment randomization, alphabetically

28. A method for developing 5 Down: Ordinary __

29. Also known as average outcome

30. Often the opposite of the null hypothesis

31. The sample mean is this, compared to the population mean

Down

1. Assumption for many hypothesis tests

3. Events that cannot happen simultaneously

4. What a red line on a residual/leverage plot represents

5. Type of linear model

7. T test with unequal variances

8. Something sued to represent the outcome of a random process

10. A way of visualizing a five number summary

11. Type of sampling which accounts for some qualities of your population

13. Distribution with parameter lambda

14. Characteristic of a statistic not affected by extreme values

15. The type of categorical data that can be ordered

16. Single estimate of a parameter

19. The only categorical variable without an indicator

24. Confidence level

25. Paradox which can contribute to incorrect interpretations

Word Bank

covariance	skewed	Point	Cook's Distance	r	estimator
simple regression	alpha	poisson	alternate	blocking	random variable
robustness	f distribution	disjoint	simpson	welchs test	power
least squares	reference value	whisker	expected value	Bonferroni	bernoulli
boxplot	Survivor bias	stratified	leverage	z score	normality
ordinal					