**Fun Health Data Science Trivia Game!**

Today’s theme: Artificial Intelligence in Public Health

Test yourself!

Q1. Why is there “no free lunch”?

A. Because of the law of large numbers drives variance toward zero.

B. Because all regression modeling approaches ultimately derive the same model.

C. Because no single machine learning algorithm is considered the optimal one.

D. Because the sum of the variance equals the variance of the sum.

Q2. What’s the problem with a “bag of words”?

A. It does not consider the order in the corpus.

B. It does not control for known fixed effects.

C. It overweights overcorrelated token pattern occurrences.

D. It’s a felony in the US to sneak into a spelling bee.

Q4. Why does everyone like Cox proportional hazard regression so much?

A. Because Cox was such a heartthrob in his day!

B. Because the use of parametric survival analysis increases your accuracy and efficiency!

C. Because the non-parametric estimation of the hazard function gives you so much flexibility!

D. Because you can use time-dependent covariates!

Q5. Imagine you had a job doing “data science” – but it was the early 2000s, before the term was invented. What would your position description probably say you were doing?

A. Business intelligence.

B. Business science.

C. Statistics.

D. Informatics.

Q6. When fitting a regression model, should you go backwards, forwards, or ambi-directional?

A. Forwards

B. Backwards

C. Ambi-directional

D. Doesn’t matter, so long as you follow *a priori* rules for sloughing off covariates.

Q7. What should you do if you have years of data-related experience in the health domain, and want to undergo intensive retraining to transition to more of a “data scientist” role? What is the most effective way forward?

A. Try to do Kaggle projects, or other independent projects on your own.

B. Join an exclusive mentoring program aimed at professionals with health data experience.

C. Go back to college and get a more appropriate master’s degree.

D. Join a boot camp (such as an online Python boot camp).

Answers here: <https://buff.ly/41hjvaj>