Activity 1:

Martin Alphabet reference: Reference for “Martian alphabet” is a TED talk given by Vilayanur Ramachandran in 2007. The synesthesia part begins at roughly 17:30 minutes: `http://www.ted.com/talks/vilayanur\_ramachandran\_on\_your\_mind`

Activity 2:

Music Study (Q2 in out of class activity)

Johnson CM, Memmott JE. Examination of Relationships between Participation in School Music Programs of Differing Quality and Standardized Test Results. Journal of Research in Music Education. 2006;54(4):293-307. doi:10.1177/002242940605400403

Activity 3:

Strep – Probability

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4219770/>

Stewart, Emily H et al. “Rapid antigen group A streptococcus test to diagnose pharyngitis: a systematic review and meta-analysis.” *PloS one* vol. 9,11 e111727. 4 Nov. 2014, doi:10.1371/journal.pone.0111727

Myopia:

https://pubmed.ncbi.nlm.nih.gov/10335839/

Quinn GE, Shin CH, Maguire MG, Stone RA. Myopia and ambient lighting at night. Nature. 1999 May 13;399(6732):113-4. doi: 10.1038/20094. PMID: 10335839.

Activity 4/5: Movies

I have used this data set for awhile but I believe it originally came from Kaggle:

<https://www.kaggle.com/stefanoleone992/imdb-extensive-dataset>

Activity 6/7:

Handedness =

Richardson, T., Gilman, R.T. Left-handedness is associated with greater fighting success in humans. *Sci Rep* **9,**15402 (2019). <https://doi.org/10.1038/s41598-019-51975-3>

Activity 8/9:

Helmet Use

Sulheim S, Ekeland A, Holme I, Bahr R. Helmet use and risk of head injuries in alpine skiers and snowboarders: changes after an interval of one decade. *Br J Sports Med*. 2017;51(1):44-50. doi:10.1136/bjsports-2015-095798

Activity 10:

Air pollution:

https://www.epa.gov/outdoor-air-quality-data/air-data-daily-air-quality-tracker (COVID air pollution data)

Activity 11:

Weather Patterns?

weather.gov?

Activity 12:

Moneyball:

<https://towardsdatascience.com/linear-regression-moneyball-part-1-b93b3b9f5b53>

<https://ocw.mit.edu/courses/sloan-school-of-management/15-071-the-analytics-edge-spring-2017/linear-regression/moneyball-the-power-of-sports-analytics/video-4-using-the-models-to-make-predictions/>

<https://www.kaggle.com/wduckett/moneyball-mlb-stats-19622012/data>