**Seminar by Einstein Assembly and DevMasters**

Websites:

* Einstein Assembly: <http://www.einsteinassembly.com/>
* DevMasters: <http://www.thedevmasters.com/>

Data Sources:

* <http://armchairanalysis.com/>
	+ Great website for NFL data
	+ Not free
* <http://www.soccerstats.com/>
	+ Great website for pro soccer statistics
	+ Free
* <http://www.basketball-reference.com/>
	+ Great website for stats in NBA, ABA, WNBA and top Euro leagues in basketball.
	+ Free

Techniques:

* Einstein Assembly has a model for predicting which team will win in the NFL based on 250+ variables and the LASSO technique.

Possible Classes to take:

* Sports Analytics Course (using Python I believe)
	+ Through UCSD
	+ Offered in the coming Spring semester
* “Mastering Applied Data Science” Bootcamp
	+ 12 week bootcamp (over the summer I believe)
	+ Meant to teach the big ideas of data science in a hands on small class style

**Webinar**

This webinar was put on through ASA and featured Dennis Lock who is the director of analytics for the Miami Dolphins and Stephanie Kovalchik who is a senior sport scientist with Tennis Australia. Below of some resources and things they mentioned during the webinar.

* Book – “Statistics: Unlocking the Power of Data” by Dennis Locke
* For more info on careers in stats:
	+ <http://thisisstatistics.org/>
	+ <http://www.amstat.org/>
	+ <http://nessis.org/>
		- This website includes past presentations on sports put on at the conference
	+ <http://www.mathsportinternational.com/>
		- Resource for stats in sports that aren’t usually found in America, i.e. rugby, cricket, etc
* Dennis Lock using Analytics for three components of the Miami Dolphins
	+ Player Evaluation
		- Draft prospects
		- Current players
		- Etc
	+ Coaching/Game Planning
		- Strategies
		- Tendencies
		- Etc
	+ Sports Performance
		- Medical
		- Training
		- Optimization of body systems (biostats)
		- Etc
* Both Stephanie and Dennis suggested at least R and SQL are known. Particularly you need to know at least one of the two.
* Also suggested to have a strong background in computer science, coding, and machine learning.
* They mentioned a website where resumes can be uploaded for fields particular to sports analytics but I didn’t quite catch the name. It sounded something like red tape book or something along those lines; maybe somebody else knows what website was being referenced
* Suggested attending conferences if possible
	+ The main one is the SLOAN Analytics conference at MIT. However it is quite expensive.