Financial Math:

Game theory:

Prisoner’s dilemma:

http://en.wikipedia.org/wiki/Prisoner%27s\_dilemma

Nash equilibrium:

http://en.wikipedia.org/wiki/Nash\_equilibrium

Statistics:

Averages:

http://en.wikipedia.org/wiki/Mean

http://en.wikipedia.org/wiki/Median

http://en.wikipedia.org/wiki/Mode\_%28statistics%29

Range:

http://en.wikipedia.org/wiki/Range\_%28statistics%29

Probability:

http://en.wikipedia.org/wiki/Probability\_distribution

http://en.wikipedia.org/wiki/Binomial\_distribution

http://en.wikipedia.org/wiki/Normal\_distribution

http://en.wikipedia.org/wiki/Log-normal\_distribution

http://en.wikipedia.org/wiki/Central\_limit\_theorem

Conditional probability:

http://en.wikipedia.org/wiki/Conditional\_probability

Black-Scholes:

http://en.wikipedia.org/wiki/Black%E2%80%93Scholes\_model

http://en.wikipedia.org/wiki/Put%E2%80%93call\_parity

http://en.wikipedia.org/wiki/Replicating\_portfolio

http://en.wikipedia.org/wiki/Martingale\_%28probability\_theory%29

Videos on Black-Scholes:

https://www.youtube.com/watch?v=pr-u4LCFYEY

https://www.youtube.com/watch?v=Xy\_txjKPNyg

https://www.youtube.com/watch?v=i0sGAds8ztI

https://www.youtube.com/watch?v=TnS8kI\_KuJc

Ito’s Lemma:

http://en.wikipedia.org/wiki/It%C5%8D%27s\_lemma

Brownian:

http://en.wikipedia.org/wiki/Brownian\_model\_of\_financial\_markets

http://en.wikipedia.org/wiki/Brownian\_motion

Finite difference method:

http://en.wikipedia.org/wiki/Finite\_difference\_method

Monte Carlo method:

http://en.wikipedia.org/wiki/Monte\_Carlo\_method