**Consider a portfolio based on: 1. The stock, 2. The derivative asset:**

**Under Q-Measurement, Risk Neutral Valuation:**

**For a forward**,

**Replication Method to Black Sholes:**

**The Greeks:**

**Put-Call Parity:**

**Continuous dividends:**

Q-measure:

**Foreign Exchange:**

P measure:

Q measure:

This is similar to assuming that is dividend paying asset.

Forward: