Initial Project
Bank of America (BAC)
- April 9, 1997 – Dec 30, 2010
- 1317470 data points

Disney (DIS)
- April 9, 1997 – July 31, 2000
- 317240 data points
BAC: Data Notes

- 1317470 data points
  - 385 per day -> 3422 days
- Stock split
  - (2:1)
  - August 30, 2004 (google finance)
- 2008 Financial Crisis
  - Countrywide
BAC: Adjusted Price Path

BAC: Price

BAC: Returns
BAC: Realized Variance
BAC: Annualized Bipower Variation
BAC: Relative Contribution of Jumps

BAC: Relative Contribution of Jumps

BAC: Annualized Volatility Signature
BAC: Annualized Bipower Volatility Signature
Enjoyed very consistent, low-vol growth throughout the middle of the last decade
  - Best performance in low-vol period

Volatility signature generally decreases with increases in time step, but the relationship is not precise

Suffered greatly during the financial crisis
317240 data points
- 824 days

Stock Split
- (3:1)
- July 10, 1998 (google finance)
- Data already adjusted
DIS: Price Path
DIS: Returns
DIS: Realized Variance
DIS: Annualized RV

DIS: Annualized Realized Volatility

DIS: Annualized Bipower Variation
DIS: Relative Contribution of Jumps

DIS: Relative Contribution of Jumps

DIS: Annualized Volatility Signature
DIS: Annualized Bipower Volatility Signature
Distinct increase in volatility in mid 1998
- Coincides with split
- Slight increase in (adjusted) trading volume from 1997-split to split-2000
- Coincides with large decrease in stock price

Volatility signature normal
Questions?