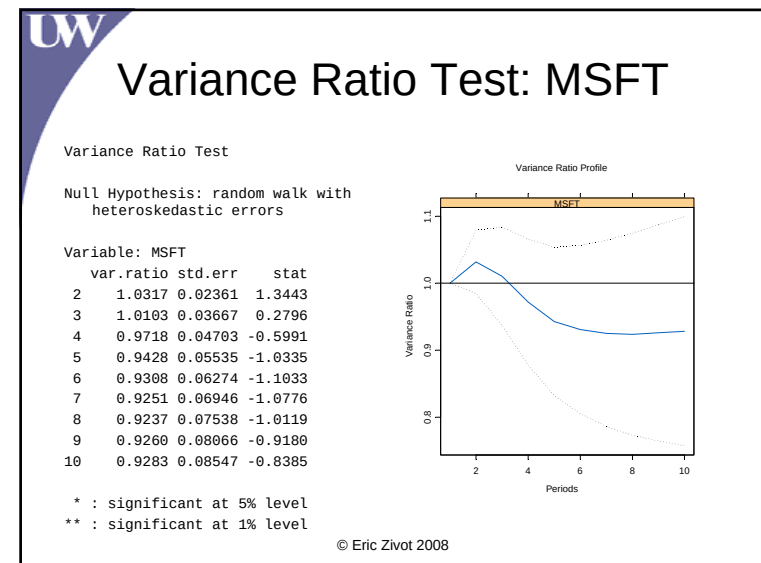
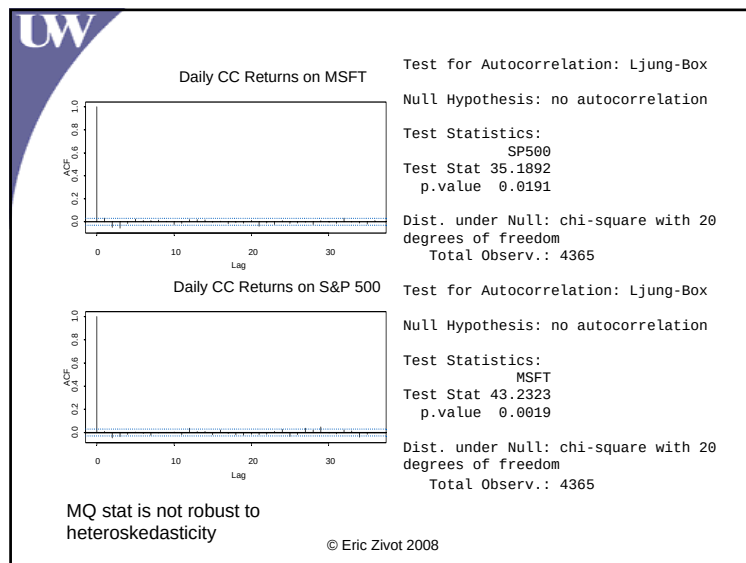
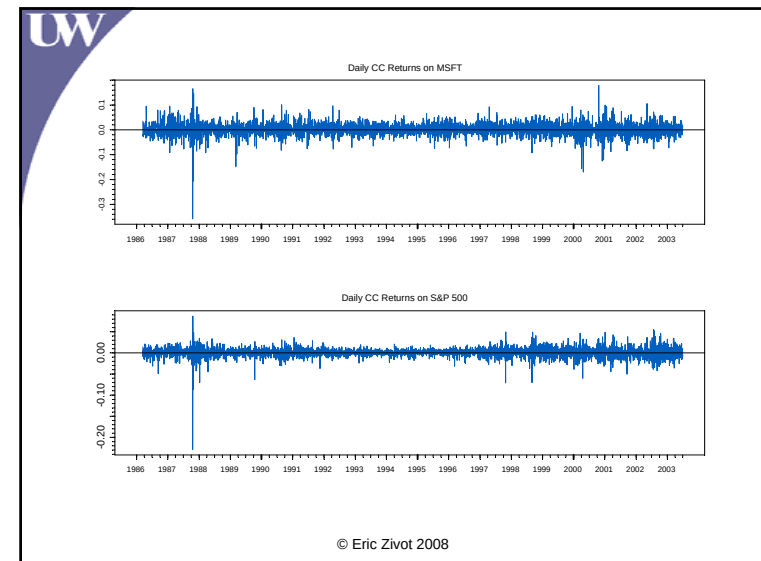




Lecture 3: Market Efficiency

Econ 512
Eric Zivot
Spring 2008
Updated: April 10, 2008

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Variance Ratio Test: MSFT

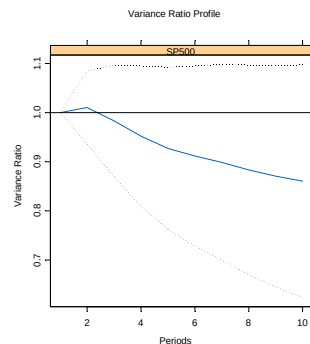
Variance Ratio Test

Null Hypothesis: random walk with heteroskedastic errors

Variable: SP500

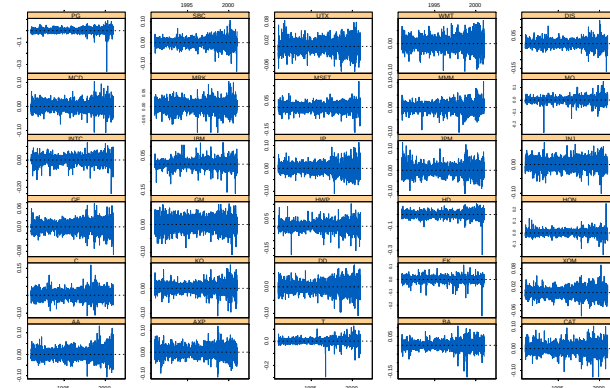
	var.ratio	std.err	stat
2	1.0104	0.03711	0.2799
3	0.9832	0.05683	-0.2954
4	0.9522	0.07156	-0.6684
5	0.9272	0.08253	-0.8825
6	0.9118	0.09167	-0.9620
7	0.8989	0.09974	-1.0139
8	0.8835	0.10671	-1.0916
9	0.8707	0.11283	-1.1461
10	0.8605	0.11831	-1.1788

* : significant at 5% level
** : significant at 1% level



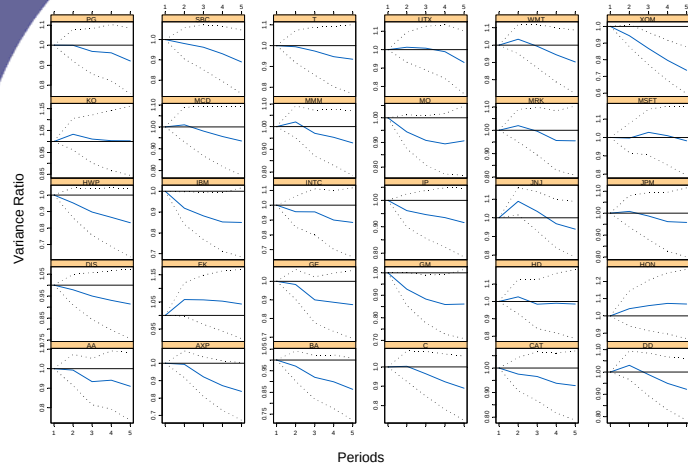
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Dow Jones 30 Daily returns: 1991 - 2001



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Variance Ratio Profile



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