

Paste first Pivot		clear all		n		p		a		b		c		d	
Testers based on		total var		m		var %		g(A)		sd g(A)		alpha		ubound for g(A)	
54		8		3		2.8%		0.05		0.18		0.05		0.07	
Headers		x		x		x		x		x		x		x	
Database		m100		m200		m400		m800		m1500		m3000		m6000	
Argentina	10.23	20.37	46.18	1.77	3.68	13.33	27.65	129.57							
Australia	9.93	20.06	44.38	1.74	3.53	12.93	27.53	127.51							
Austria	10.15	20.45	45.8	1.77	3.58	13.26	27.72	132.23							
Belgium	10.14	20.19	45.02	1.73	3.57	12.83	26.87	127.2							
Bermuda	10.27	20.3	45.26	1.79	3.7	14.64	30.49	146.37							
Brazil	10	19.89	44.29	1.7	3.37	12.48	28.13	126.05							
Canada	9.84	20.17	44.72	1.75	3.53	13.23	27.6	130.09							
Chile	10.1	20.15	45.92	1.76	3.65	13.39	28.09	132.19							
China	10.17	20.42	45.25	1.77	3.61	13.42	28.17	128.18							
Colombia	10.29	20.85	45.84	1.8	3.72	13.49	27.88	131.17							
Cookland	10.97	22.46	51.4	1.94	4.24	16.7	35.38	171.26							
Costa Rica	10.32	20.56	46.42	1.87	3.84	13.75	28.61	131.23							
CzechRepue	10.24	20.61	45.77	1.75	3.58	13.42	27.8	131.57							
Denmark	10.29	20.52	45.89	1.69	3.52	13.42	27.91	129.43							
Dominican	10.16	20.65	44.9	1.81	3.73	14.31	30.43	146							
Finland	10.21	20.47	45.49	1.74	3.61	13.27	27.52	131.15							
France	10.02	20.36	44.64	1.72	3.48	12.98	27.38	126.36							
Germany	10.06	20.23	44.33	1.73	3.53	12.91	27.36	128.47							
GreatBritan	9.87	19.94	44.36	1.7	3.49	13.03	27.3	127.13							
Greece	10.11	19.85	45.57	1.75	3.61	13.48	28.12	132.04							
Guatemala	10.32	21.09	48.44	1.82	3.74	13.98	29.34	132.53							
Hungary	10.08	20.11	45.43	1.76	3.59	13.45	28.63	131.1							
India	10.33	20.73	45.48	1.76	3.63	13.5	28.81	132							
Indonesia	10.2	20.59	45.37	1.83	3.77	14.21	29.65	139.18							
Ireland	10.35	20.54	45.58	1.75	3.56	13.07	27.78	130.15							
Israel	10.2	20.89	46.59	1.8	3.7	13.66	28.72	134.21							
Italy	10.01	19.72	45.26	1.73	3.55	13.09	27.28	127.29							
Japan	10	20.03	44.78	1.77	3.62	13.22	27.58	130.16							
Kenya	10.28	20.43	45.18	1.7	3.44	12.66	26.46	124.55							
Korea,Sout	10.34	20.41	45.17	1.74	3.64	13.84	28.51	127.2							
Korea,Nort	10.56	21.23	46.95	1.82	3.77	13.9	28.65	129.36							
Luxembou	10.41	20.77	47.9	1.76	3.67	13.64	28.77	134.03							
Malaysia	10.3	20.92	46.41	1.79	3.76	14.11	29.5	140.27							
Mauritius	10.13	20.06	44.69	1.8	3.83	14.15	29.84	141.07							
Mexico	10.21	20.4	44.31	1.78	3.63	13.13	27.14	127.19							
Myanmar(I	10.64	21.52	48.63	1.8	3.8	14.19	29.62	139.57							
Nauru	10.19	20.19	45.68	1.73	3.55	13.22	27.44	128.31							
NewZealan	10.11	20.42	46.09	1.74	3.54	13.21	27.7	128.59							
Norway	10.08	20.17	45.11	1.73	3.62	13.11	27.54	130.17							
PapuaNew	10.4	21.18	46.77	1.8	4	14.72	31.36	140.13							
Philippines	10.57	21.43	45.57	1.8	3.82	13.97	29.04	138.44							
Poland	10	19.98	44.62	1.72	3.59	13.29	27.89	129.23							
Portugal	9.86	20.12	45.11	1.75	3.5	13.05	27.41	126.36							
Romania	10.21	20.75	45.77	1.76	3.57	13.25	27.67	131.3							
Russia	10.11	20.23	44.66	1.73	3.54	13.2	27.9	128.16							
Samoa	10.78	21.86	49.98	1.94	4.01	16.28	34.71	161.5							
Singapore	10.37	21.14	47.6	1.84	3.86	14.86	31.32	144.22							
Spain	10.17	20.59	44.96	1.73	3.48	13.04	27.24	127.23							
Sweden	10.18	20.43	45.54	1.76	3.61	13.29	27.93	130.38							
Switzerland	10.16	20.41	44.89	1.71	3.53	13.13	27.9	129.56							
Taiwan	10.36	20.81	46.72	1.79	3.77	13.91	29.2	134.35							
Thailand	10.23	20.69	45.05	1.81	3.77	14.25	29.67	139.33							
Turkey	10.18	21.04	46.63	1.78	3.59	13.45	28.53	130.25							
U.S.A.	9.78	19.32	43.18	1.71	3.46	12.97	27.23	125.38							

sd (g)	alpha	ubound for g(x)	Testing					Y ²	df	Crit.Val.	p-value
			λ(m)=λ1λ(m-2)-----λp								
	1.8	0.05	0.07					105.56	14	23.68	4.04E-14
Cov	m100	m200	m400	m800	m1500	m3000	m6000	marathon			
m100		0.048973	0.110404	0.25602	0.008264	0.02572	0.124575	0.26513	1.340139		
m200			0.110404	0.30093	0.66818	0.022929	0.066193	0.177734	0.688936	3.541038	
m400				0.25602	0.66818	2.06954	0.050938	0.166471	0.615486	1.849941	9.178897
m800					0.008264	0.022929	0.057938	0.002751	0.007131	0.034348	0.074257
m1500						0.02572	0.066193	0.166471	0.007131	0.023034	0.105833
m3000							0.124575	0.26513	0.034348	0.105833	0.229701
m6000								0.26513	0.034348	0.105833	0.229701
marathon									1.340139	3.541038	9.178897
Eigen											