	EViews		LIMDEP		SHAZAM		TSP	
dataset	$\lambda_{\hat{\mu}}$	$\lambda_{\hat{\sigma}}$	$\lambda_{\hat{\mu}}$	$\lambda_{\hat{\sigma}}$	$\lambda_{\hat{\mu}}$	$\lambda_{\hat{\sigma}}$	$\lambda_{\hat{\mu}}$	$\lambda_{\hat{\sigma}}$
PiDigits (l)	15	14.9	15	14.9	15	15	15	14.9
Lottery (l)	15	15	15	15	15	15	15	15
Lew (l)	15	15	15	15	15	15	15	15
Mavro (l)	15	15	15	15	15	8.5	15	15
Michelso (a)	15	13.8	15	13.8	15	8.4	15	13.8
NumAcc1 (a)	15	15	15	15	15	15	15	15
NumAcc2 (a)	14.0	15	14.0	15	14.	11.6	14.0	15
NumAcc3 (a)	15	9.5	15	9.5	15	1.1	15	9.5
NumAcc4 (h)	14.0	8.3	14.0	8.3	14.0	na†	14.0	8.3

Table 1: StRD Results for Univariate Summary Statistics (default)
†variance calculated to be -1.986

	EViews		LIMDEP		SHAZAM		TSP	
dataset	$\lambda_{\hat{\beta}}$	$\lambda_{\hat{\sigma}}$	$\lambda_{\hat{\beta}}$	$\lambda_{\hat{\sigma}}$	$\lambda_{\hat{\beta}}$	$\lambda_{\hat{\sigma}}$	$\lambda_{\hat{\beta}}$	$\lambda_{\hat{\sigma}}$
Norris (l)	12.3	14.0	13.3	14.1	14.1	14.0	12.1	13.8
Pontius (l)	11.3	13.4	15	15	13.5	13.7	15.0	15.0
NoInt1 (a)	14.7	15	14.7	15	14.7	15.2	14.7	15.0
NoInt2 (a)	15	14.9	15	15	15.3	14.9	15.0	15.0
Filip (h)	ns		7.4	6.8	7.7	7.7	ns	
Longley (h)	8.5	10.2	14.6	14.1	12.4	12.5	11.7	12.4
Wampler1 (h)	7.2	7.7	9.7	9.0	11.4	9.8	9.0	9.1
Wampler2 (h)	9.4	11.7	14.8	14.0	13.2	14.7	13.3	14.0
Wampler3 (h)	7.2	10.5	9.6	12.1	10.6	13.9	9.3	13.6
Wampler4 (h)	7.2	10.5	7.4	12.1	8.7	14.1	7.2	13.4
Wampler5 (h)	7.2	10.5	5.4	12.1	6.6	14.1	5.2	13.4

Table 2: StRD LRE Results for Linear Regression
ns: no solution

dataset	EViews			LIMDEP			SHAZAM			TSP		
	$\lambda_{\hat{\beta}}$	$\lambda_{\hat{\sigma}}$		$\lambda_{\hat{\beta}}$	$\lambda_{\hat{\sigma}}$		$\lambda_{\hat{\beta}}$	$\lambda_{\hat{\sigma}}$		$\lambda_{\hat{\beta}}$	$\lambda_{\hat{\sigma}}$	
Misra1a (l)	0	0		8.3	6.2		7.5	7.2		7.2	5.6	
Chwirut2 (l)	5.5	3.9		7.7	8.3		6.6	7.2		5.9	6.3	
Chwirut1 (l)	5.0	3.8		8.5	8.4		9.0	9.5		5.9	6.3	
Lanczos3 (l)	0	0		1.2	1.1	*	0	0		4.2	3.8	
Gauss1 (l)	ns		*	9.2	8.1		0	0		7.0	6.7	
Gauss2 (l)	ns		*	8.9	6.5		ns	-	*	6.4	6.3	
DanWood (l)	6.5	3.8		7.0	7.1		5.8	5.9		6.6	5.8	
Misra1B (l)	0	0		0	0	*	10.1	9.9		7.0	5.6	
Kirby2 (a)	5.4	3.9		ns		*	6.3	6.8		5.3	6.2	
Hahn1 (a)	0	0	*	0	0		6.1	6.9		4.9	5.6	
Nelson (a)	0	0		8.2	6.2		6.4	6.4		4.2	4.3	
MGH17 (a)	1.5	0	*	6.5	6.1	*	ns	-		ns		
Lanczos1 (a)	0	0		0	0		0	0		4.3	5.2	
Lanczos2 (a)	0	0		0	0		0	0		3.6	2.0	
Gauss3 (a)	0	0	*	9.1	6.0		ns	-		6.4	5.9	
Misra1C (a)	0	0		ns		*	0	0		7.0	5.8	
Misra1D (a)	0	0		8.1	5.6		0	0		7.0	5.6	
Roszman1 (a)	0	0		0	0		NA	-		5.6	6.4	
ENSO (a)	0	0		6.2	5.7		NA	-		0	0	
MGH09 (h)	0	0		0	0		6.5	6.7	*	3.6	3.5	*
Thurber (h)	3.2	2.7		7.7	6.3		6.6	5.9		3.4	2.7	
BOXBOD (h)	4.3	3.7		8.5	8.2		0	0		3.9	3.9	
Rat42 (h)	5.1	3.6		9.8	7.6		0	0		5.5	4.8	
MGH10 (h)	0	0	*	8.1	5.6	*	0	0		ns		*
Eckerle4 (h)	5.5	3.8	*	0	0		0	0		5.8	5.8	*
Rat43 (h)	3.4	2.6	*	7.1	6.8	*	8.3	8.4		4.5	4.7	
Bennett5 (h)	ns		*	0	0		0	0		4.7	4.7	

Table 3: StRD Results for Nonlinear Regression - default
* denotes solution from Start II
ns denotes no solution produced

test	EViews			LIMDEP			SHAZAM			TSP		
	$\lambda_{\hat{\beta}}$	$\lambda_{\hat{\sigma}}$		$\lambda_{\hat{\beta}}$	$\lambda_{\hat{\sigma}}$		$\lambda_{\hat{\beta}}$	$\lambda_{\hat{\sigma}}$		$\lambda_{\hat{\beta}}$	$\lambda_{\hat{\sigma}}$	
Misra1a (l)	0	0		11	10.9		11	11		9.5	9.2	
Chwirut2 (l)	5.5	3.9		10.9	11		10.7	11		8.6	9.0	
Chwirut1 (l)	5.0	3.9		10.7	10.9		9.2	9.7		8.5	8.9	
Lanczos3 (l)	4.9	3.5		9.7	9.0	*	0	0		7.0	7.0	
Gauss1 (l)	ns		*	10.6	10.6		0	0		9.3	8.6	
Gauss2 (l)	ns		*	10.8	10.6		0	0		11	11	
DanWood (l)	6.3	3.8		11	11		9.6	9.9		10.0	10.1	
Misra1B (l)	0	0		11	10.8		10.0	9.9		9.2	8.9	
Kirby2 (a)	5.4	5.0		10.5	11	*	9.4	9.7		10.7	11	
Hahn1 (a)	4.8	2.4		ns		*	9.1	9.9		9.7	10.2	
Nelson (a)	0	0		10.9	10.6		9.6	9.6		7.5	7.5	
MGH17 (a)	5.0	0	*	10.8	10.5	*	ns	-	*	ns		*
Lanczos1 (a)	2.3	0		2.8	0	*	0	0		10.6	3.2	
Lanczos2 (a)	2.3	1.7		0	0		0	0		10.3	10.1	
Gauss3 (a)	0	0	*	10.4	10.1		ns	-	*	9.2	8.6	
Misra1C (a)	0	0		ns		*	10.6	10.6		10.5	10.7	
Misra1D (a)	0	0		11	11		11	11		11	10.8	
Roszman1 (a)	0	0		7.2	7.9		NA	-		7.2	8.4	
ENSO (a)	0	0		7.5	8.8		NA	-		7.2	8.7	
MGH09 (h)	4.6	4.4		10.5	10.4		8.4	8.4	*	8.5	8.5	*
Thurber (h)	3.5	2.6		9.7	9.0		8.6	7.7		8.3	7.6	
BOXBOD (h)	4.3	3.7		11	10.4		0	0		7.9	7.9	
Rat42 (h)	5.1	3.8		11	10.6		0	0		8.8	8.4	
MGH10 (h)	0	0	*	9.2	9.1	*	0	0		10.9	11	*
Eckerle4 (h)	5.5	3.9	*	11	10.6		10.5	10.5		9.6	9.6	*
Rat43 (h)	0	0		11	10.7	*	9.2	9.3		7.7	7.7	
Bennett5 (h)	ns			10.1	7.0		6.6	6.5		11	10.4	

Table 4: StRD Results for Nonlinear Regression - non-default
ns denotes no solution produced
* denotes answer from Start II, ns reported for Start I