

**SINGLE and MEANS VALUES MASS ANALYSIS FOR REINFORCEMENTS, by STANDARD SIZES
STATISTICAL CHARACTERISTICS PER DIAMETER :**

		6	8	10	12	14	16	18	20	22	25	28	32	40	50	Together
Diameter	(mm)	6	8	10	12	14	16	18	20	22	25	28	32	40	50	9.0
Mean Yield Stress Re	(Mpa)	530	530	530	530	530	530	530	590	590	590	590	590	590	590	
Standard deviation	(Mpa)	15	15	15	15	15	15	15	15	15	15	15	15	15	15	
KiloTons per Year	(kt/y)	0	75	0	0	0	0	0	25	0	0	0	0	0	0	100
Length per Year	(Mm/y)	0	190	0	0	0	0	0	10	0	0	0	0	0	0	200
Relative Mass Weight		0.00	0.75	0.00	0.00	0.00	0.00	0.00	0.25	0.00	0.00	0.00	0.00	0.00	0.00	1.00
Relative Mass Weight		0.00	0.75	0.00	0.00	0.00	0.00	0.00	0.25	0.00	0.00	0.00	0.00	0.00	0.00	1.00

For Means value analysis, mean is computed from how many specimens ?

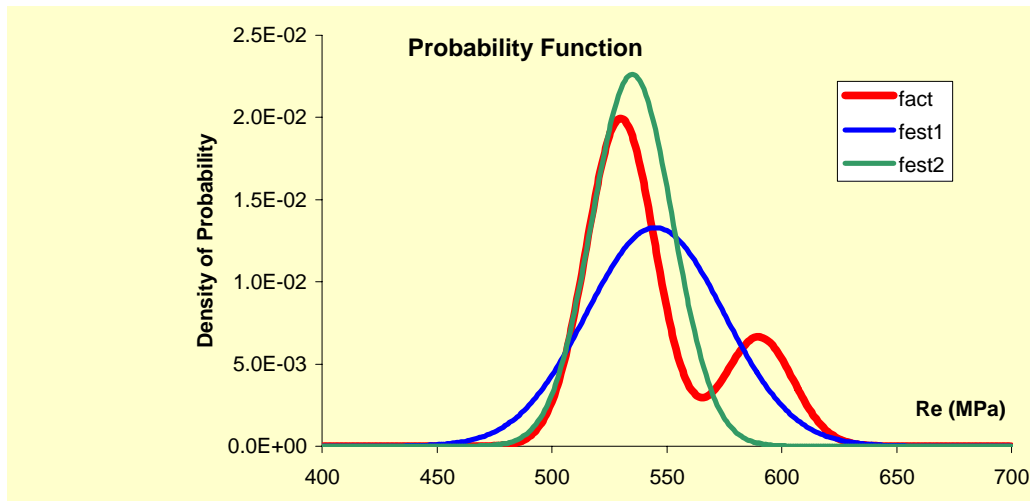
Answer : specimens.

The next 6 Charts plot respectively :

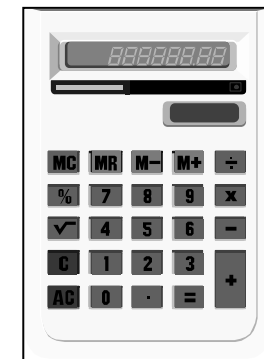
The Probability function for
SINGLE VALUES
MEANS

The Cumulative distribution for
SINGLE VALUES
MEANS

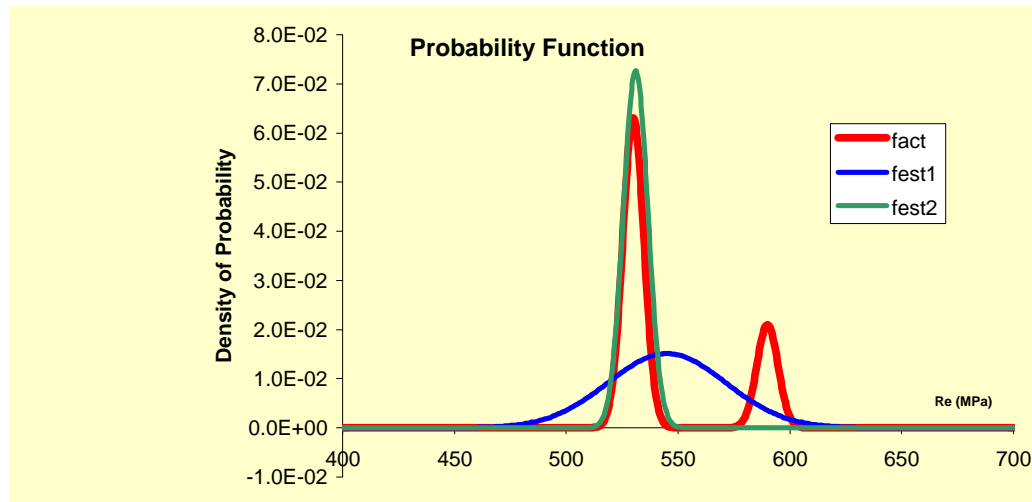
A ZOOMED Cumulative Distribution for
SINGLE VALUES
MEANS



	fact	fest1	fest2
m =	545	545	535
s =	30	30	18
$\beta_1 =$	0.6	0.0	0.0
$\beta_2 =$	2.6	3.0	3.0
$\gamma_1 =$	0.7	0.0	0.0
$\gamma_2 =$	-0.4	0.0	0.0
F450	0%	0%	0%
F475	0%	1%	0%
F500	2%	7%	3%



Ratio between equivalent
& $s^*/s = 0.588$
actual standard deviation



	fact	fest1	fest2
m =	545	545	531
s =	26	26	5
$\beta_1 =$	1.2	0.0	0.0
$\beta_2 =$	2.4	3.0	3.0
$\gamma_1 =$	1.1	0.0	0.0
$\gamma_2 =$	-0.6	0.0	0.0
F450	0%	0%	0%
F475	0%	0%	0%
F500	0%	5%	0%

548.021
9.733708

