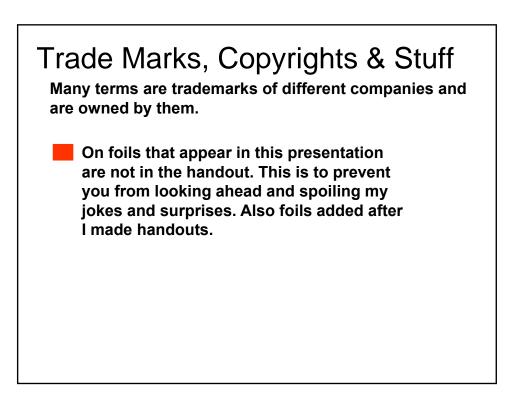


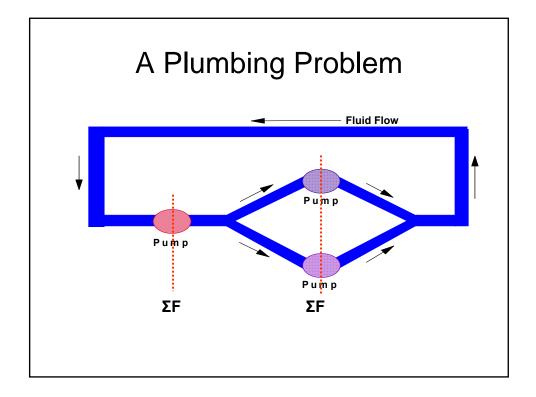


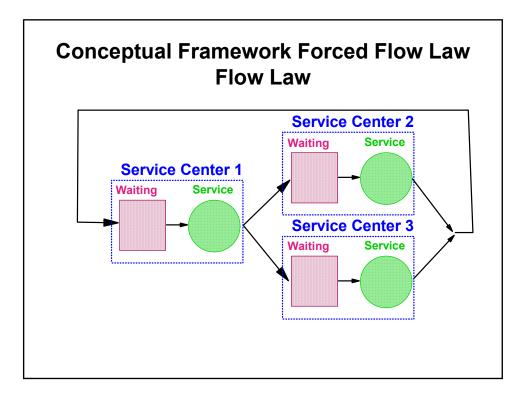
Ray has spent most of his career at IBM in the performance analysis and capacity planning end of the business in Poughkeepsie, London, and now at the Washington Systems Center. He is the major contributor to IBM's internal PA & CP tool zCP3000. This tool is used extensively by the IBM services and technical support staff world wide to analyze existing zSeries configurations (Processor, storage, and I/O) and make projections for capacity expectations.

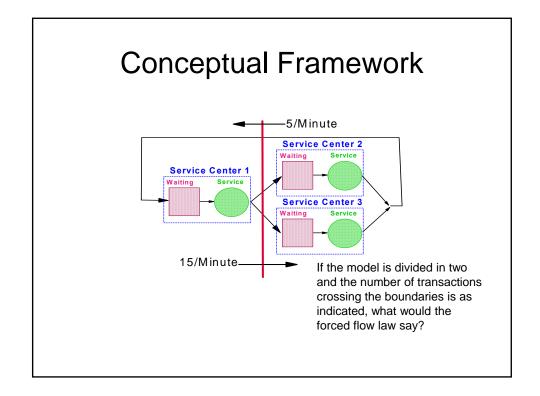
Ray has given classes and lectures worldwide. He was a visiting scholar at the University of Maryland where he taught part time at the Honors College.

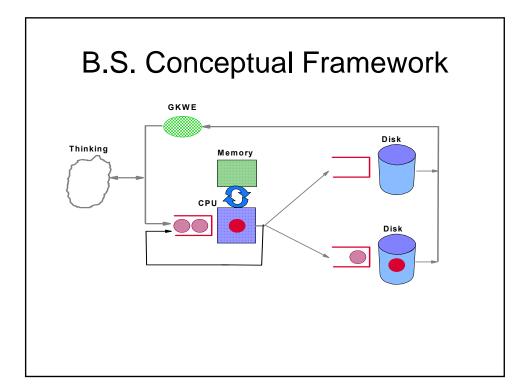
He won the prestigious Computer Measurement Group's A.A. Michelson award in 2000. His recent virtual sessions "Getting Started in Performance Analysis & Capacity Planning" workshop held for attendees in China and India was well accepted.

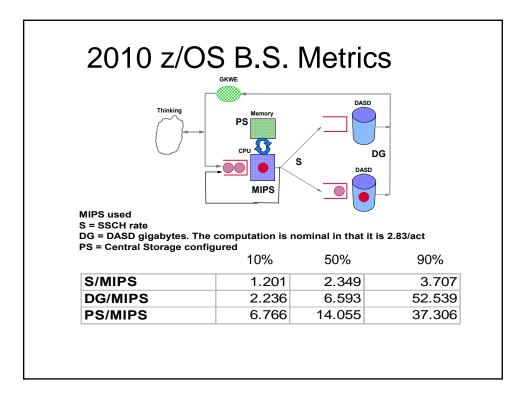


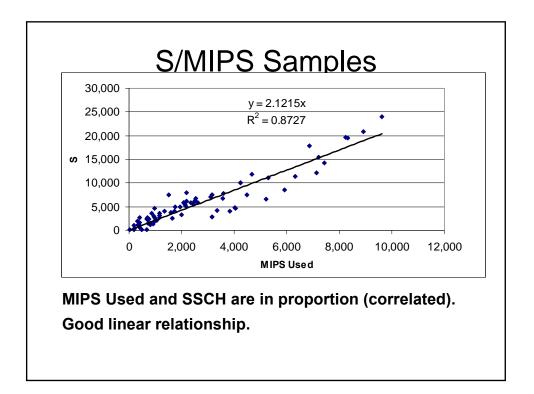


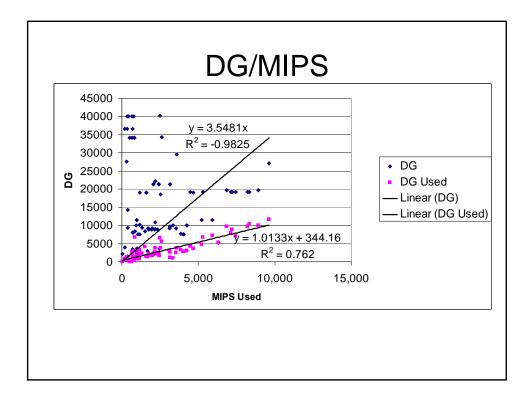


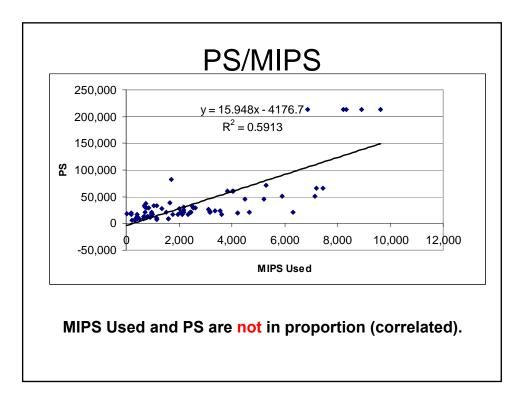


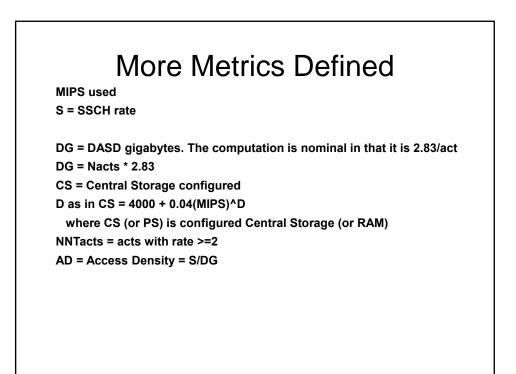




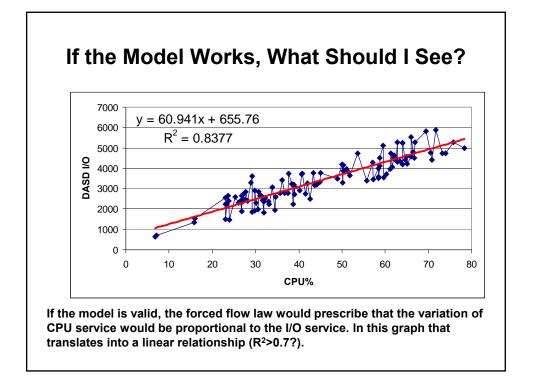


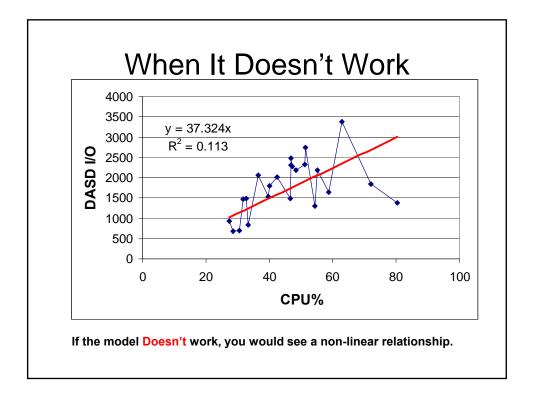


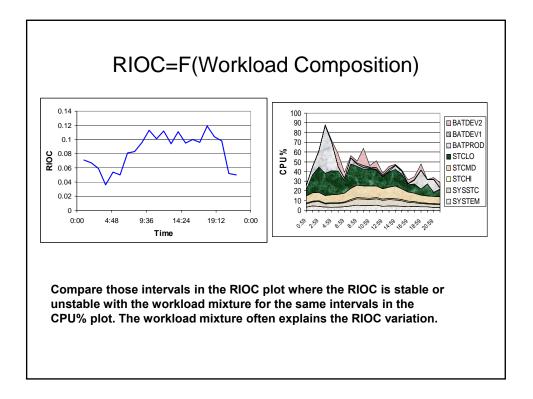


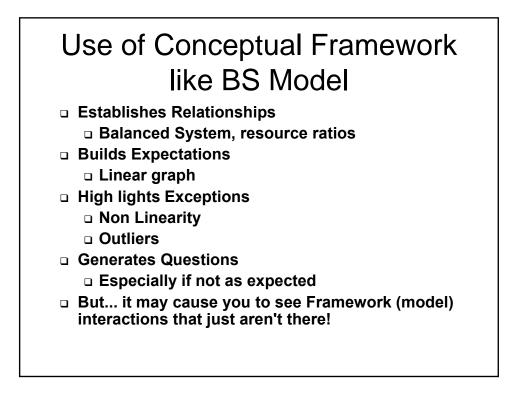


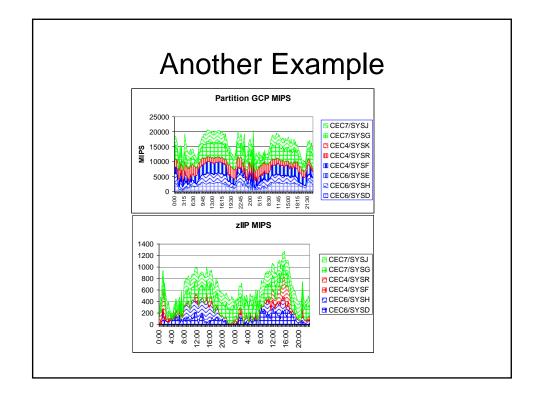
	⁻ ull M	ietric	S
2010 83 Partitions			
	10%	50%	90%
MIPS	403	2004	6247
S	1123	4221	11779
S/MIPS	1.201	2.349	3.707
DG/MIPS	2.236	6.593	52.539
PS/MIPS	6.766	14.055	37.306
D	1.534	1.630	1.894
DASD Resp	0.952	1.865	3.626
DASD Serv	0.681	1.564	2.980
Resp/Serv	1.227	1.827	1.232
Nacts	1305	4084	12105
NNTacts	73	264	882
DASD GB	3693	11558	34256
Used DG	585	2114	7065
AD	0.059	0.360	0.909

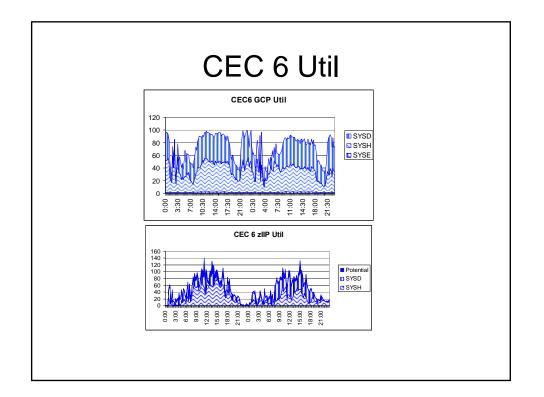


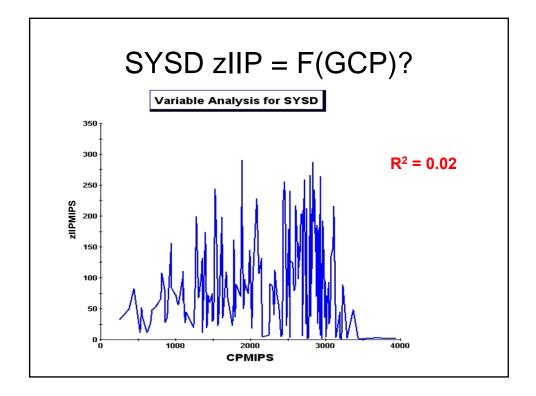


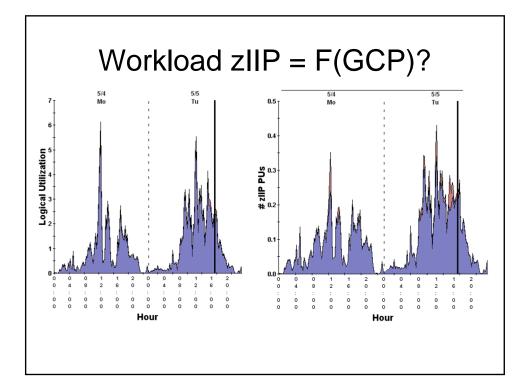


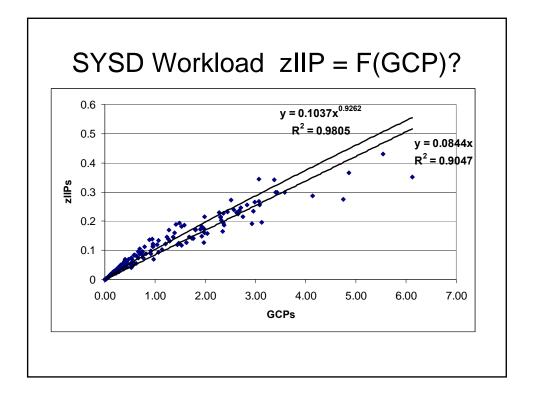


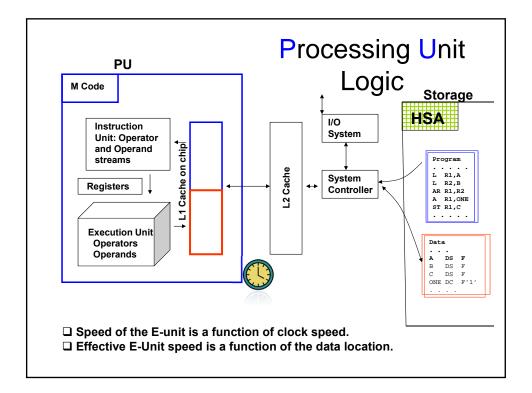


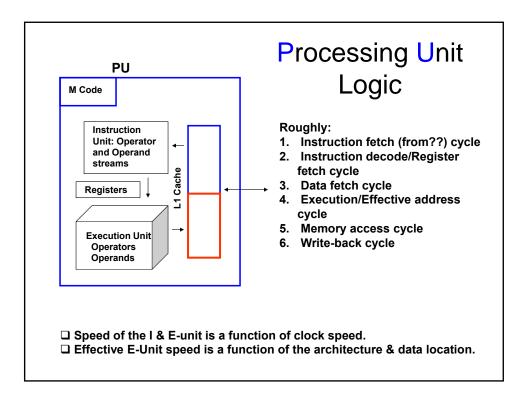


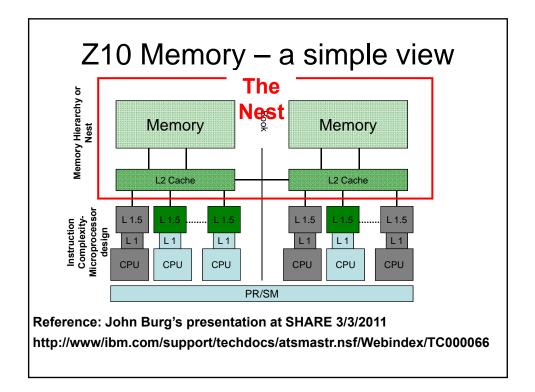


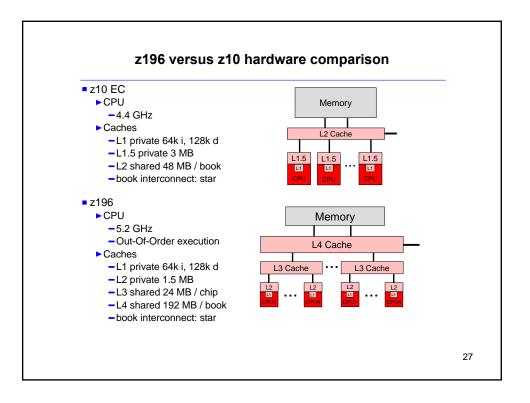


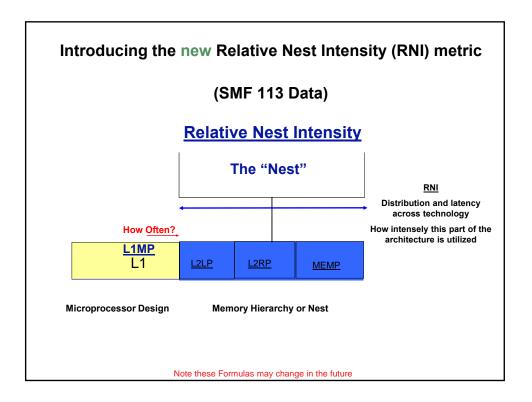


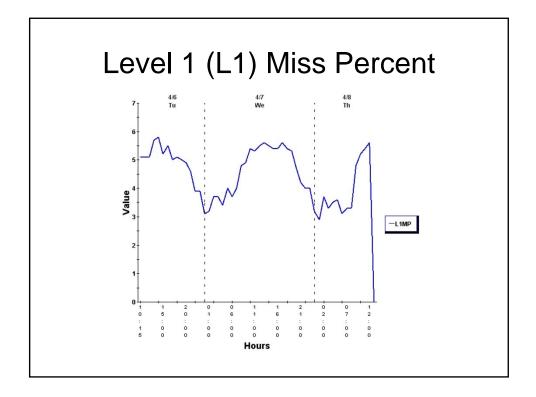


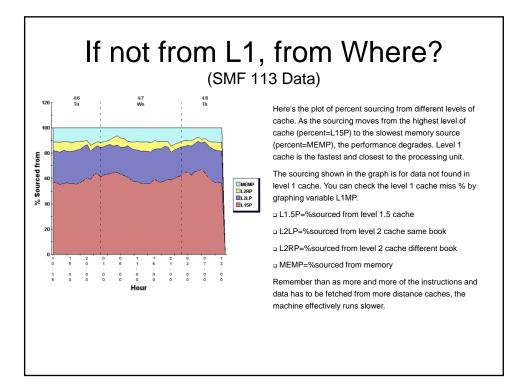




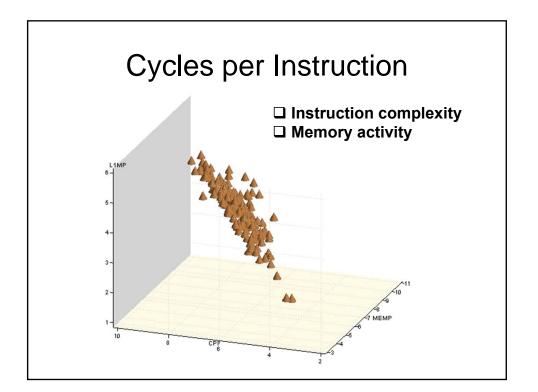




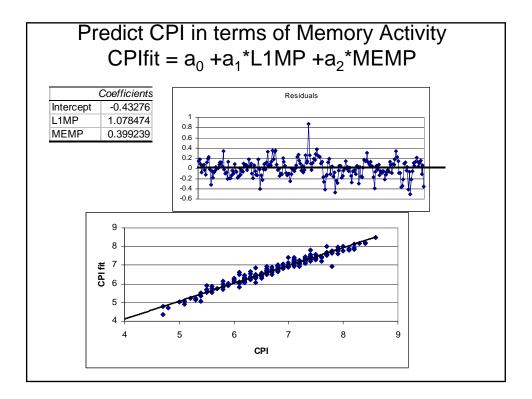


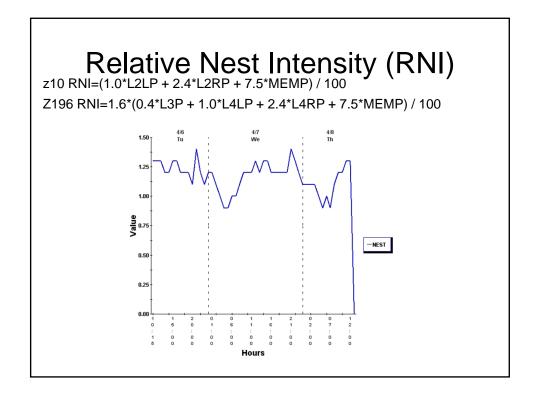


sas.	Enterpris	se Guide.			209	97-E54	4
			The Power to Kno	ns	Sa	ample	
		1 With	Variables:	CPI			
		5 Varia	bles:	L1MP L1	15P L2LP I	L2RP MEMP	
Simple St	atistics						
Variable	Ν	Mean	Std Dev	Sum	Minimum	Maximum	Label
СРІ	220	6.70909	0.82921	1476	3.90000	8.60000	CPI
L1MP	220	4.21091	0.61397	926.40000	1.90000	5.60000	L1MP
L15P	220	68.80273	2.73381	15137	62.50000	79.00000	L15P
L2LP	220	24.60364	1.92242	5413	17.70000	27.90000	L2LP
L2RP	220	0.09636	0.01876	21.20000	0	0.10000	L2RP
MEMP	220	6.51364	1.18811	1433	3.20000	10.40000	MEMP
			elation Co er H0: Rho		N = 220		
		L1MP	L15P	L2LP	L2RP	MEMP	
	CPI	0.79329	-0.53761	0.41295	0.09019	0.56472	
	CPI	<.0001	<.0001	<.0001	0.1826	<.0001	

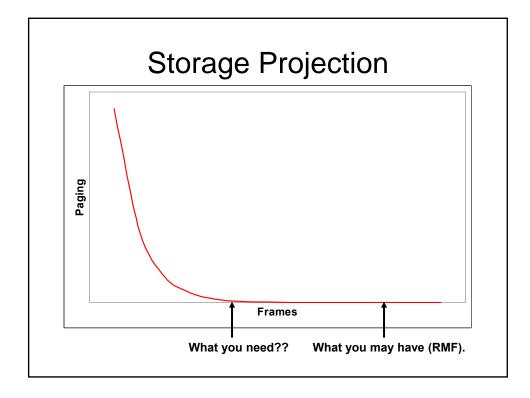


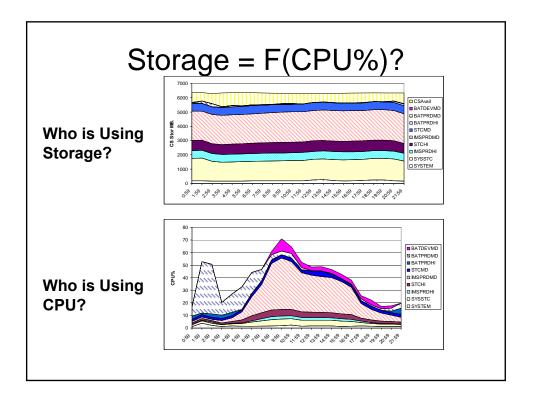
Stepwise Analysi Table of Results	s I	WiSE	Reg	ress	ion	
L1MP entered.						
	df	SS	MS	F	Significance F	Rsquare
Regression	1	94.76340452	94.76340452	370.1004889	7.13123E-49	0.6293150
Residual	218	55.81841366	0.256047769			
Total	219	150.5818182				
	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%
Intercept	2.197521837	0.236981894	9.272952449	1.82816E-17	1.730452906	2.66459076
L1MP	1.071400255	0.055691885	19.23799597	7.13123E-49	0.96163681	1.1811636
MEMP entered.	df	SS	MS	F	Significance F	Rsquare
Regression	2	144.0333909	72.01669544	2386.469636	1.8304E-148	0.95651249
Residual	217	6.548427298	0.030177084	2300.409030	1.0304E-140	0.3303124
Total	217	150.5818182	0.030177064			
	210					
	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%
Intercept	-0.432760399	0.104193631	-4.153424666	4.70956E-05	-0.638121488	-0.2273993
intercept						
L1MP	1.07847415	0.019120016	56.40550326	1.2808E-131	1.040789434	1.11615886

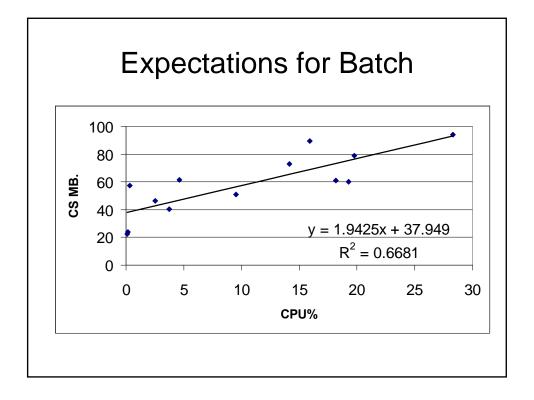


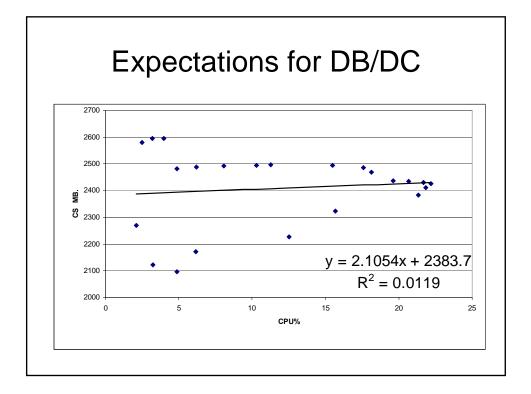


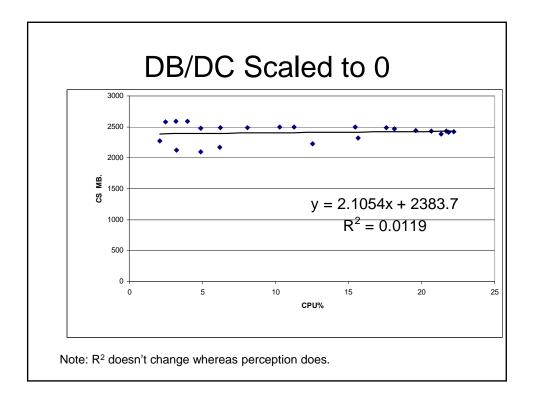
	Charact	eristics
L1MP	RNI	Workload Hint
<3%	>= 0.75 < 0.75	AVERAGE LOW
3% to 6%	>1.0 0.6 to 1.0 < 0.6	HIGH AVERAGE LOW
>6%	>=0.75 < 0.75	HIGH AVERAGE

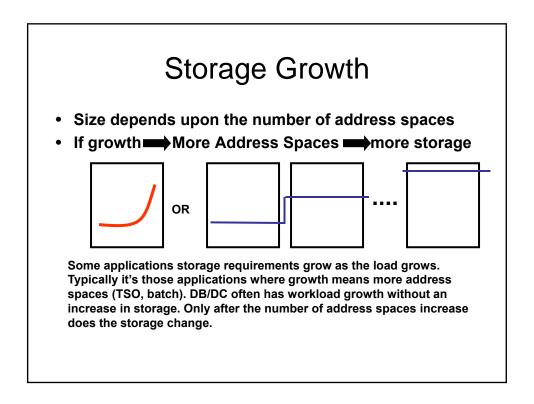












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CENTRAL STOR	AGE		
	MIN	MAX	AVG
AVAILABLE	1450630	1917651	1638857
SQA	17,478	18,443	17,840
LPA	9,842	9,842	9,842
CSA	43,884	43,946	43,913
LSQA	178,761	180,850	179,946
REGIONS+SWA	4379708	4845902	4658493
TOTAL FRAMES	6553600	6553600	6553600
	F	IXED FRAME	3
NUCLEUS	2,629	2,629	2,629
SQA	15,528	16,493	15,890
LPA	90	90	90
CSA	12,187	12,187	12,187
LSQA	65,380	67,270	66,451
REGIONS+SWA	60,380	73,810	61,791
BELOW 16 MEG	76	98	78
BETWEEN 16M-2G	38,193	39,699	39,097
TOTAL FRAMES	157,643	170,842	159,039

