

MONTHLY SUMMARY SHEET



Summary Sheet For Sites :- Warrawong ASP 8

Absolute Values (ng/m3)

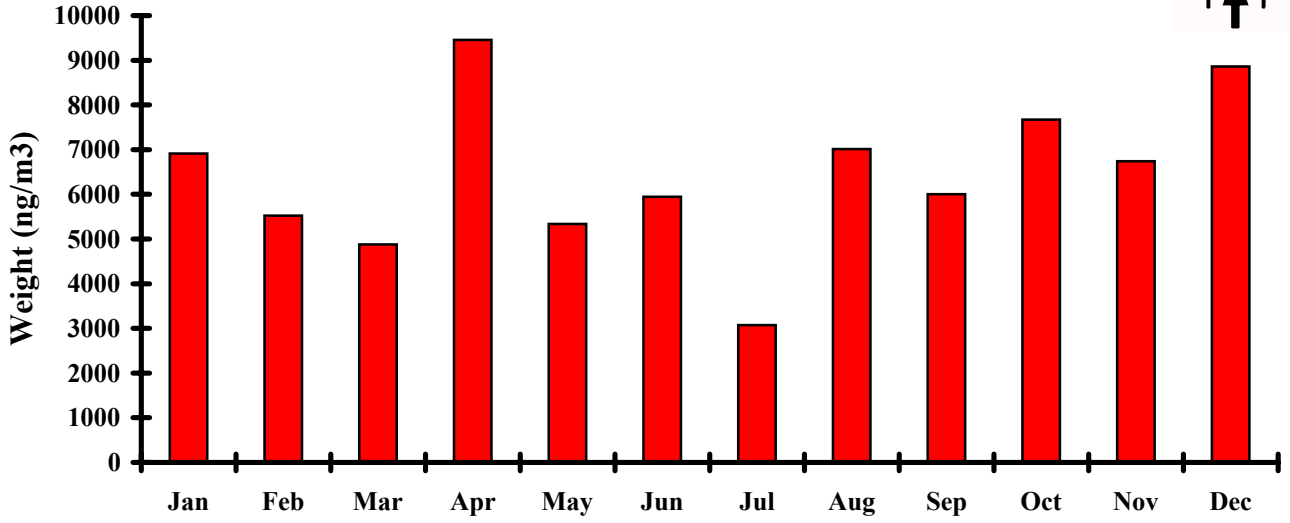
2005	Weight	NHSO4	Organ.	Soil	Elt. C.	Salt	K	Fe	Zn	Pb
Jan	6914	2400	39	629	560	3216	67	141	22	5
Feb	5526	2179	54	313	584	2012	39	68	11	1
Mar	4875	1565	89	407	569	1464	36	96	19	4
Apr	9457	3533	821	1350	1047	1203	71	335	45	8
May	5335	1581	938	409	729	487	43	82	8	3
Jun	5943	1315	1517	572	935	305	49	129	16	4
Jul	3071	773	523	254	553	343	25	66	10	4
Aug	7014	1837	901	1138	1031	667	70	278	33	9
Sep	6004	1802	609	666	744	666	51	165	33	4
Oct	7672	2111	312	773	746	2206	52	188	27	5
Nov	6742	1965	172	635	764	2295	41	147	14	6
Dec	8863	3018	114	1038	920	3028	73	206	20	10
Average	6451	2006	508	682	765	1491	51	158	21	5
Stan Dev	1743	738	464	341	182	1042	16	83	11	2
Minimum	1149	182	0	34	122	0	8	1	0	0
Site : Date	8:9/10	8:10/7	8:2/1	8:27/11	8:9/10	8:6/2	8:9/10	8:16/11	8:16/11	8:2/1
Maximum	19786	7571	3934	3500	2481	6883	301	915	149	28
Site : Date	8:9/11	8:27/4	8:8/6	8:27/4	8:8/6	8:2/1	8:12/1	8:12/1	8:12/1	8:7/12

Relative Percentages (%)

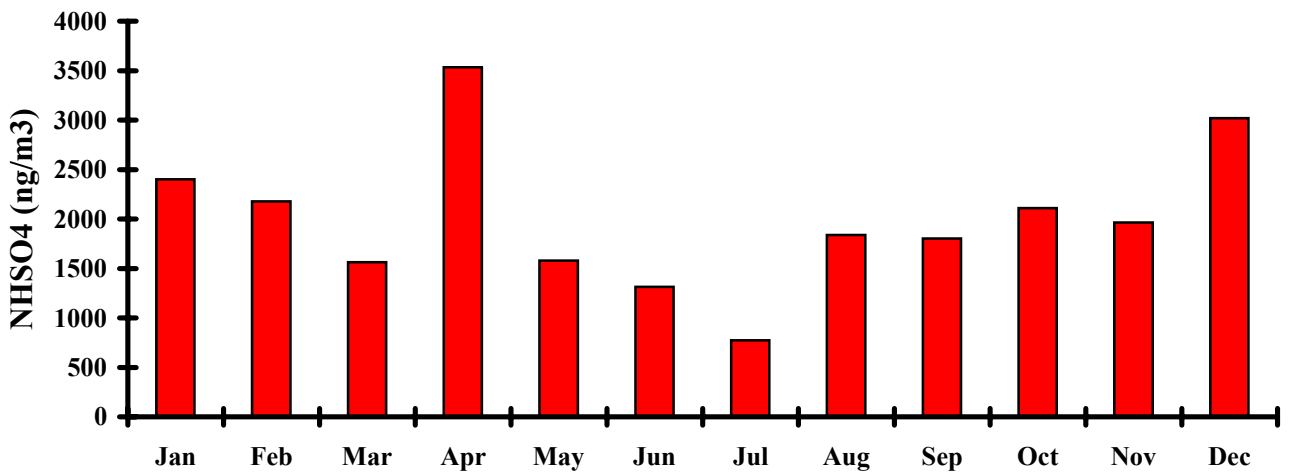
2005		NHSO4 %	Organ. %	Soil %	Elt. C. %	Salt %	RCMA %	
Jan		35	1	9	8	47	94	
Feb		39	1	6	11	36	92	
Mar		32	2	8	12	30	78	
Apr		37	9	14	11	13	81	
May		30	18	8	14	9	76	
Jun		22	26	10	16	5	77	
Jul		25	17	8	18	11	78	
Aug		26	13	16	15	10	79	
Sep		30	10	11	12	11	70	
Oct		28	4	10	10	29	74	
Nov		29	3	9	11	34	84	
Dec		34	1	12	10	34	88	
Average		31	9	10	12	22	81	
Stan Dev		5	8	3	3	14	7	
Minimum		3	0	1	2	0		
Site : Date		8:10/7	8:2/1	8:27/11	8:9/10	8:6/2		
Maximum		117	61	54	38	107		
Site : Date		8:27/4	8:8/6	8:27/4	8:8/6	8:2/1		



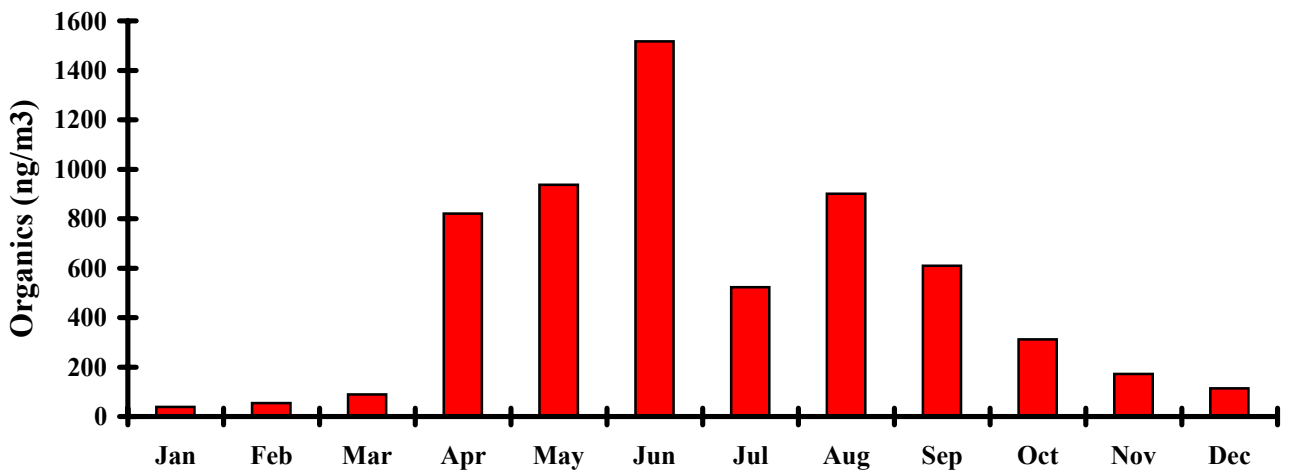
Weight vs Month



Ammonium Sulphate vs Month

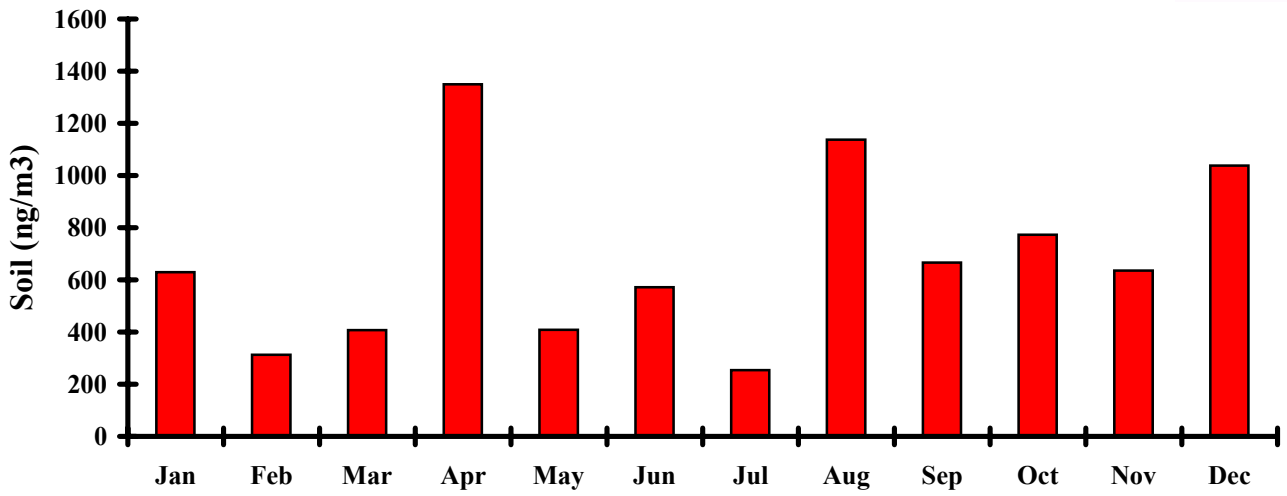


Organics vs Month

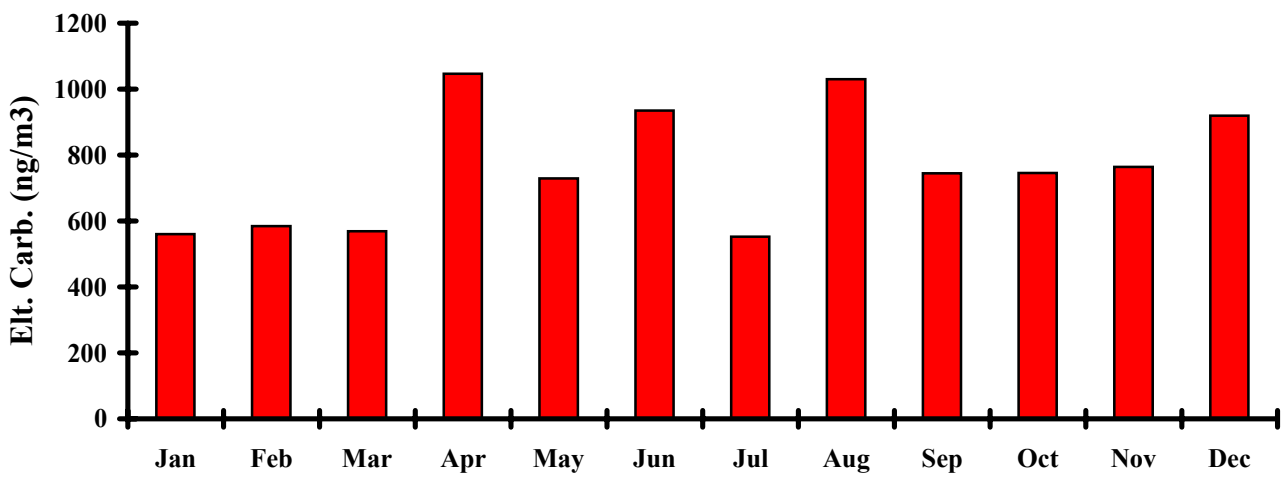




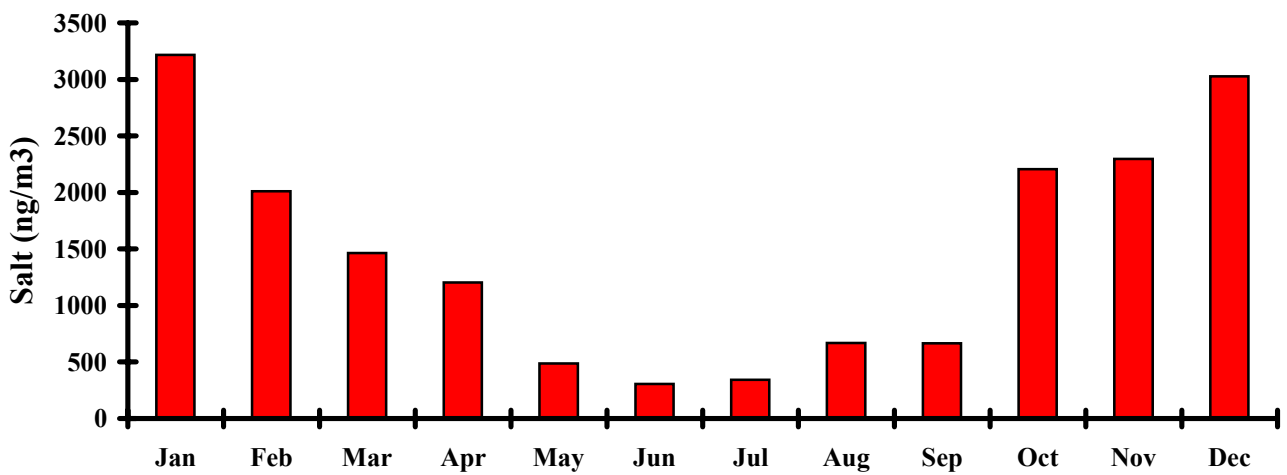
Soil vs Month



Elemental Carbon vs Month

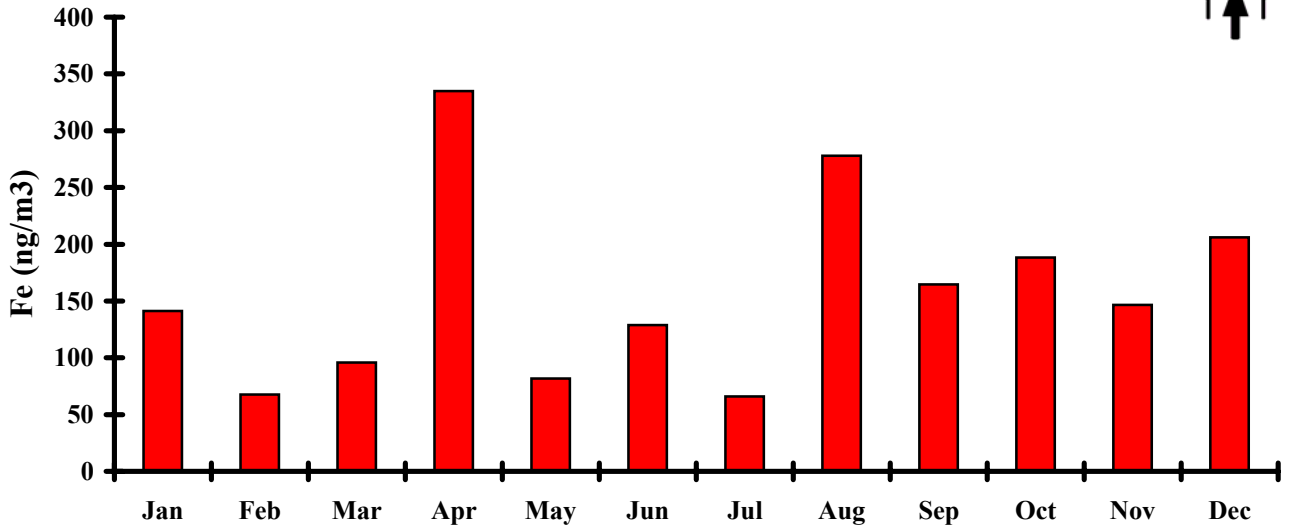


Salt vs Month

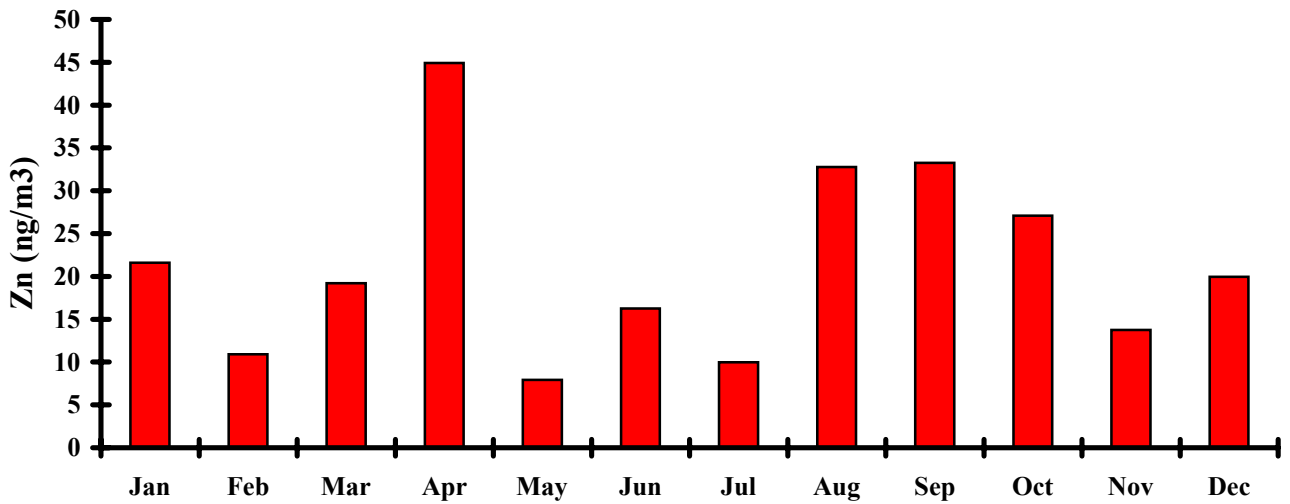




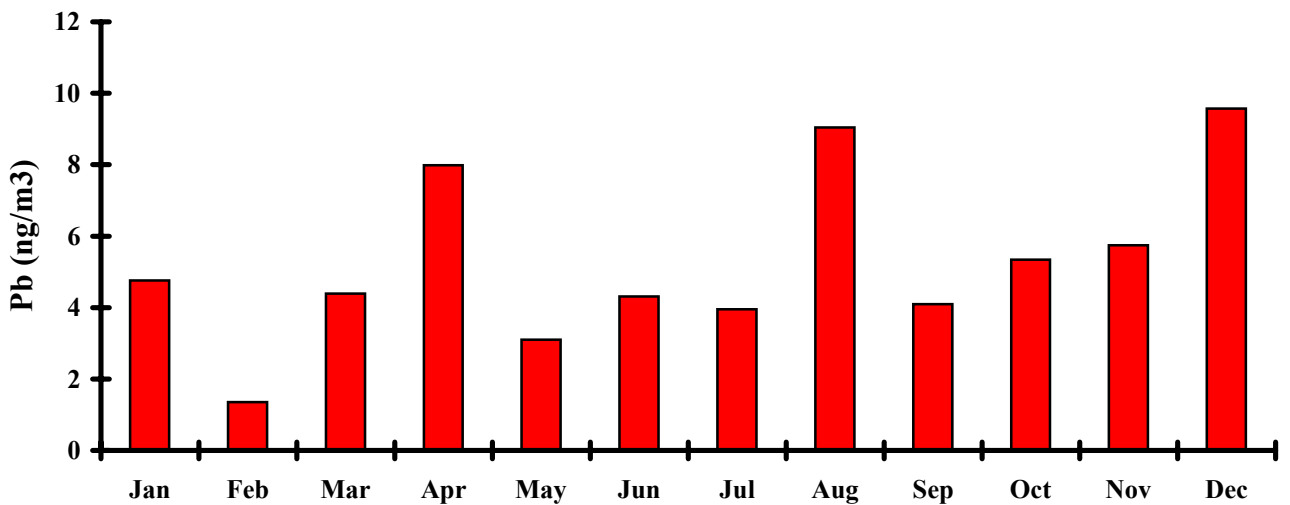
Iron vs Month



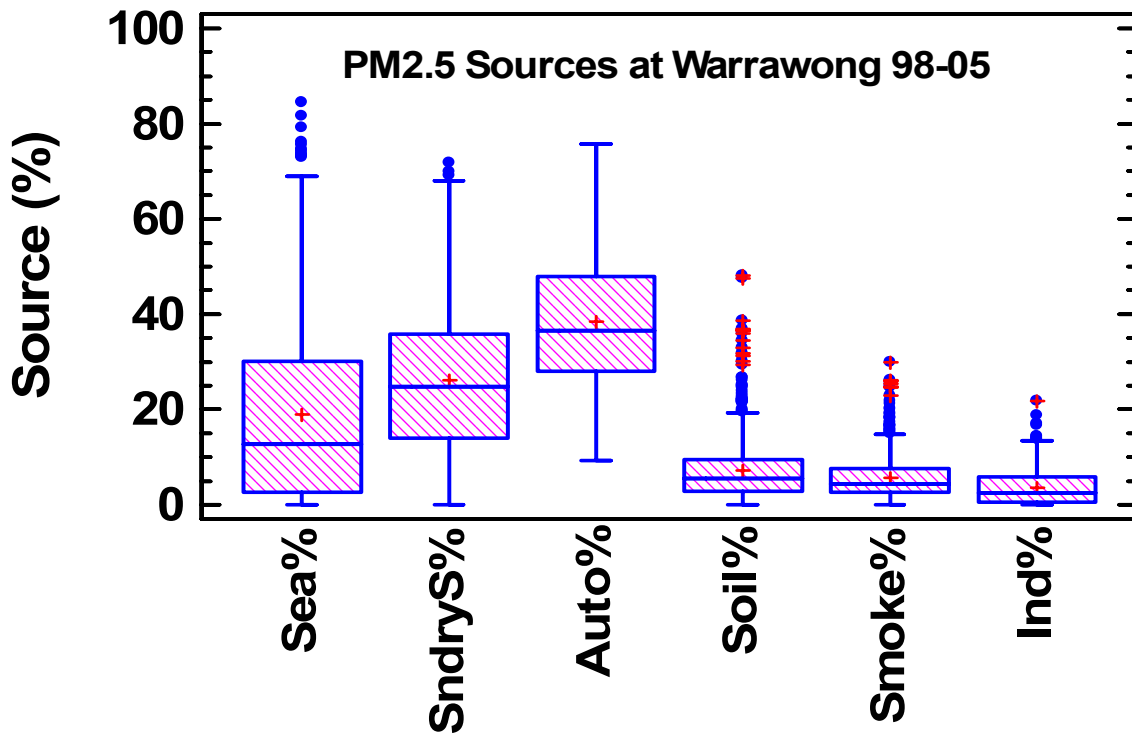
Zinc vs Month



Lead vs Month



Warrawong PM_{2.5} Average Source Contributions 98-05



Box and Whisker Plot with (+) Mean, (—) Median, (•) Outliers

Average Percentage Source Contributions for Warrawong from 1998-2005 (712 data points)

%Source	%Mean	StDev	%Median	%Max
Sea%	19	19	13	84
SndryS%	26	16	25	72
Auto%	38	14	37	76
Soil%	7.1	6.5	5.5	48
Smoke%	5.6	4.5	4.4	30
Ind%	3.6	3.6	2.5	22

Note: A "Box and Whisker" plot is a compact way of expressing, in graphical form, a lot of data and information. In the plots below each box represents the width of the distribution of the individual measurements containing 25% (lower level) to 75% (upper level) of all the points measured. Hence the central box spans the middle 50% of the data points. The upper and lower vertical whiskers attached to each box represent the spread of points that are 1.5 times above and below the box limits respectively. All points outside the limits (outliers) represented by the box and the whiskers are plotted separately as individual dots. The median of the distribution is plotted as a solid horizontal line across each box and the mean as a small (+) sign usually adjacent to the median value and inside the box. A "Box and Whisker" plot shows the data in four areas of equal frequency, which allows you to visually examine the shape of the distribution to detect skewness and identify "outliers".