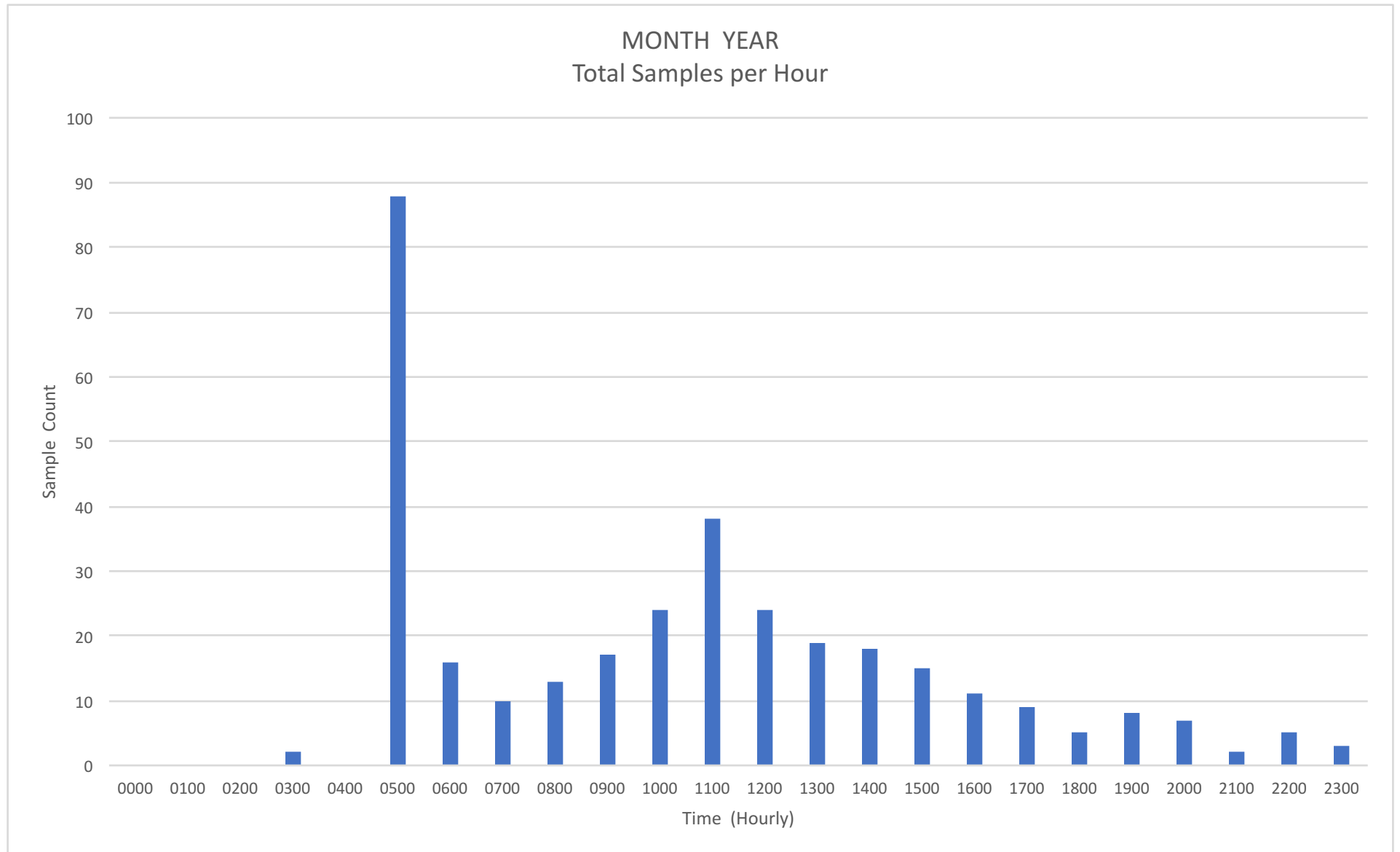
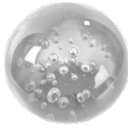
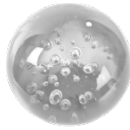


Fizzian Laboratory Management Services
Workflow Analysis: Specimen Count, Hourly
Performed: December 2016

MONTH YEAR

	Tu	W	Th	F	Sa	Su	M	Tu	W	Th	F	Sa	Su	M	Tu	W	Th	F	Sa	Su	M	Tu	W	Th	F	Sa	Su	M	Tu	W		
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	T	S
0000																														0		
0100																														0		
0200																														0		
0300																	1	1												2		
0400																														0		
0500	3		3	4	2		1	4	4	5	6	3		1	3	5	4	5		3	1	3	8	1	1	2	1	2	4	9	88	230
0600		1							5			1	3			2	1		2						1					16		
0700				1				1	1			1							2								1	1	2	10		
0800					1		1					1		1	1		2									1		2	1	2	13	
0900	1			2	1			1			1					1	1	1	1				1				3		1	2	17	
1000		1	1	3	1	1	1				1	3		1	1	1		1	2	1	1		1			3				24		
1100	2	1	1	2						2	2	2		2	2	1		2	2		2		4		1	1	1	1	6	1	38	
1200	2	1	1	1	1		2	1		1	2				1	4			1			1	1			1		2	1		24	
1300		1	1	1	1			1			1		2	1		2		1		1	2		1		1			2			19	
1400					2		1	1	1		1		1		1	1	1		1			2	2					1		2	18	
1500				1	1				1						1	1		1	1			2		1			1	1	2	1	15	
1600								1	3			1		1			1	2	1									1			11	
1700	1	1	1			1			2							2											1				9	
1800							2			1					1					1											5	
1900	1	1							1		1				2							2									8	
2000							1	1	1								1					1							2		7	
2100								1																					1		2	12
2200		2																										1	1	1	5	
2300											2							1													3	
T	10	9	8	15	10	2	9	12	19	9	17	12	6	7	13	20	12	15	13	6	6	11	18	2	4	8	7	13	21	20	334	

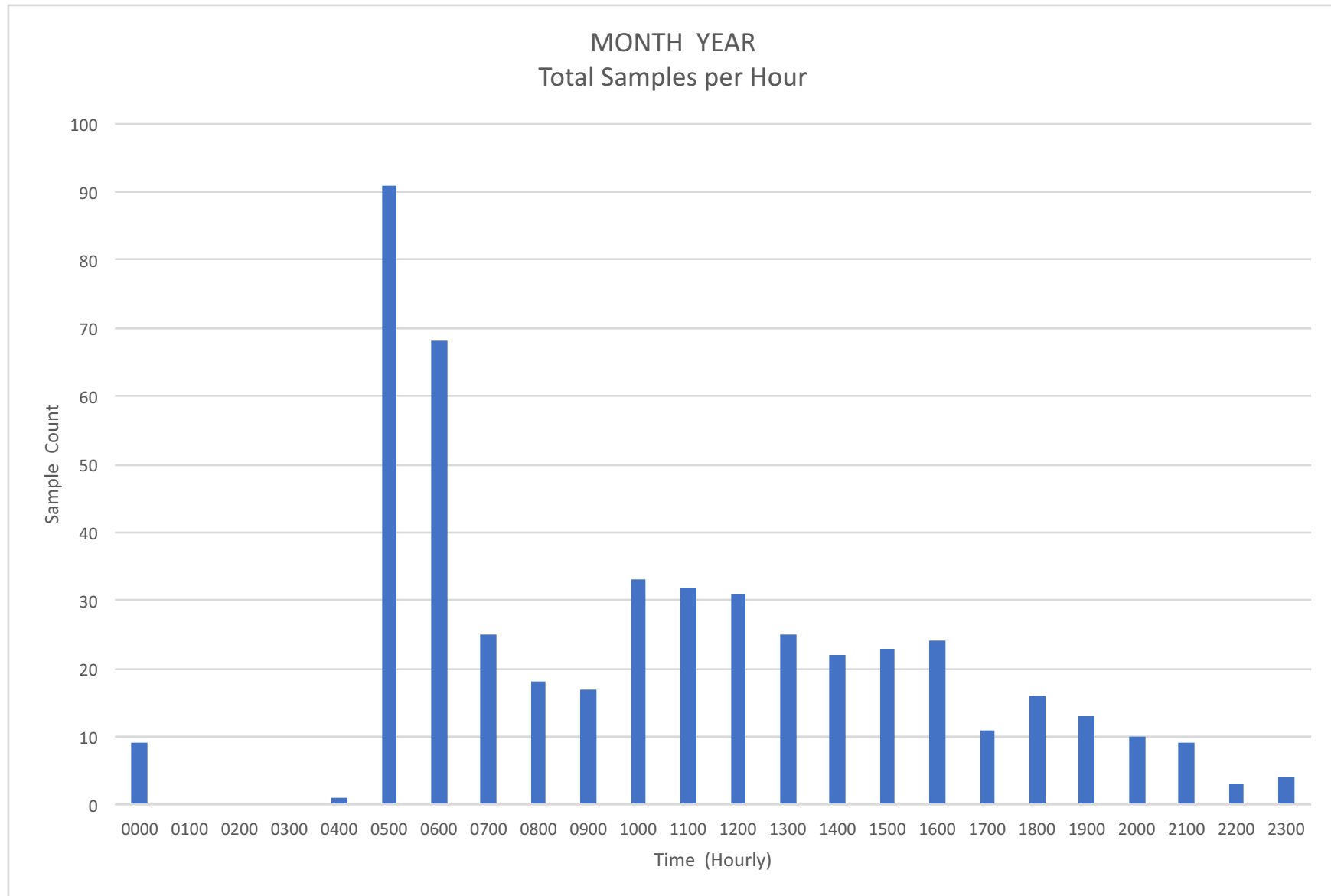
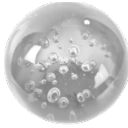


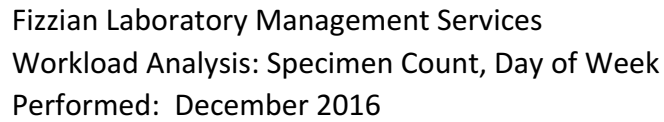


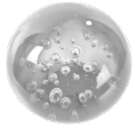
Fizzian Laboratory Management Services
Workload Analysis: Specimen Count, Hourly
Performed: December 2016

MONTH YEAR

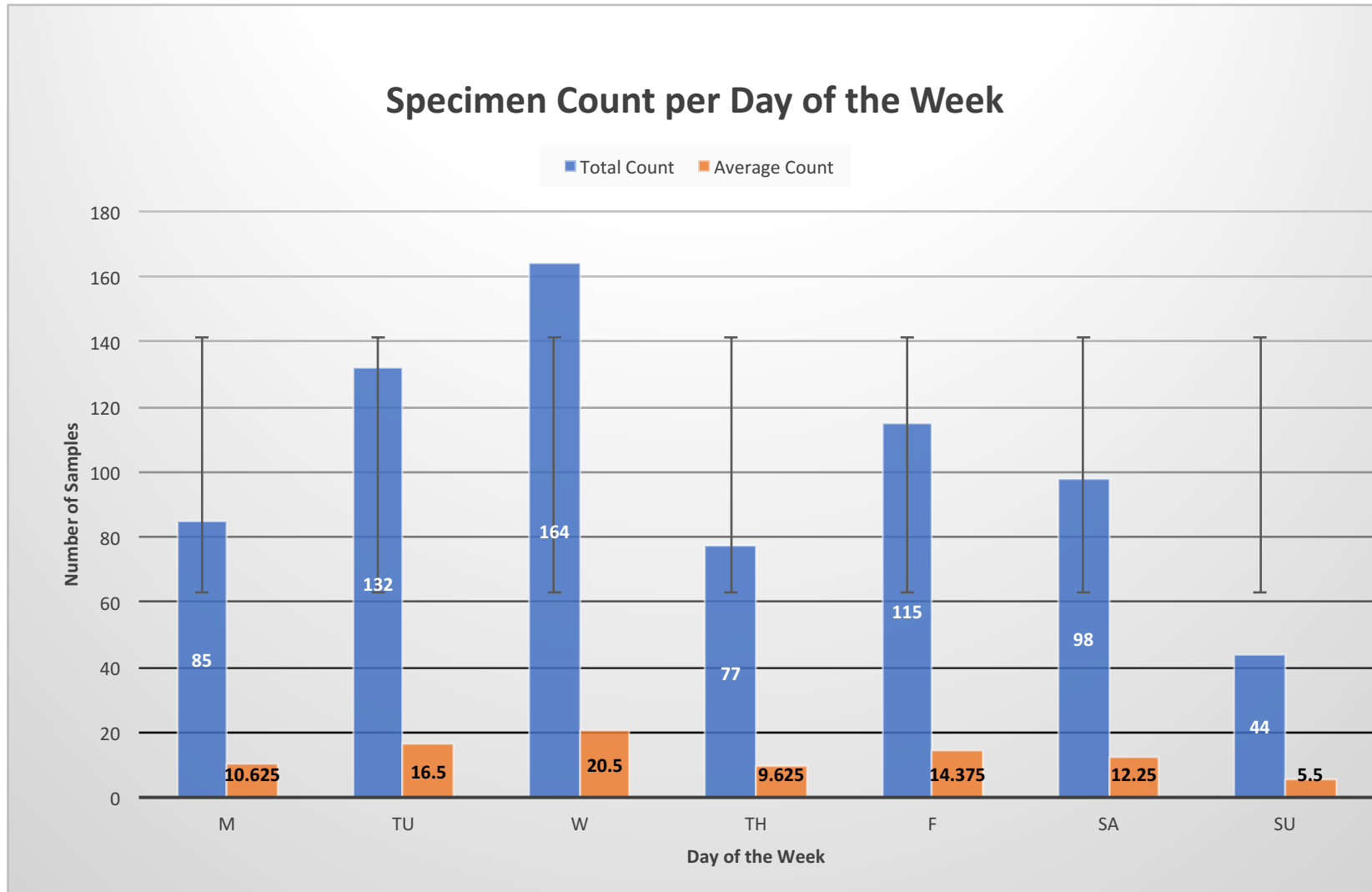
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	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	T	S
0000						1							1			1	1			0	1	1		2					1			9	
0100																																0	
0200																																0	
0300																																0	
0400																				1												1	
0500		4	4		2	6	4	1	5	2	1	1	5	6	3	4	3	3	1	2	4	2	6	1			5	2	6	7	1	91	315
0600			2	2			1		1	6		1	2	6	1	2	4		1	4	7	1	3	4	2	2		2	1	8	5	68	
0700			1			1		1	1					3						2	5	1	2	1	1			3	1		2	25	
0800						1		1	1					1		1	3		1	3	1	2				2		1				18	
0900	1							3	1			2		2		1	1				1		1	1		1		1		1		17	
1000	2	1				1	1	1	2	1			3	2	3	3	1		1	2	1	2		1			2	2		1		33	144
1100	1	1	1			4	1		1		1	1	1	1	2	1	1		1	2	2	1		1	1		1	1	4		1	32	
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1300			1		3	3		1			1	1			3	2		1	1	3		1				1		3				25	
1400		2		1	2		2					2	1			1		1	2	2		1	1			1		1	2			22	
1500		2					2	3		1	1	1	1		2	2	1			1		1				3			1	1		23	
1600		2			1		1			1	1		1	3	2		1						1	1	1	1	1	2	3	1		24	
1700				1			2					1		1			1			1								1	3			11	26
1800	1				1	1	1							2	2					2	2						2	2				16	
1900		1					1		1			1						1	3	2		1					1		1			13	
2000				1			3	1			1			1						1								1	1			10	
2100	1							1	1						1	1	2									1	1					9	
2200																	1		1											1		3	4
2300																				2									2				
T	8	15	9	5	11	19	20	14	14	12	6	12	15	31	20	20	22	7	14	31	27	14	15	12	5	13	15	19	31	20	9	485	

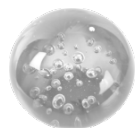


[illegible]



Fizzian Laboratory Management Services
Workload Analysis: Specimen Count, Day of Week
Performed: December 2016

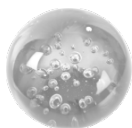




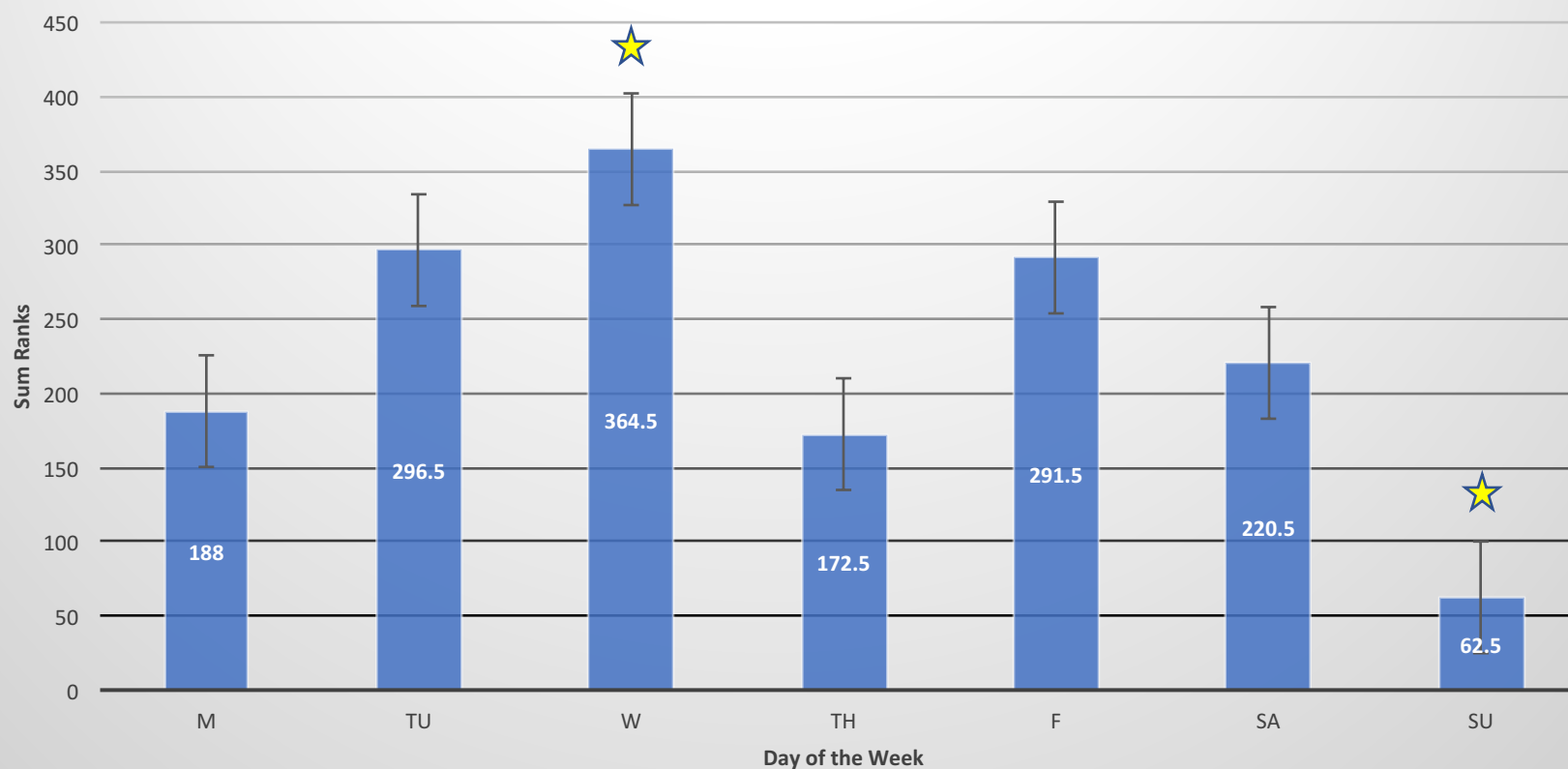
Fizzian Laboratory Management Services
Workload Analysis: Specimen Count, Day of Week
Performed: December 2016

Week	M	Tu	W	Th	F	Sa	Su	
1		21.5	18.5	15	40	21.5	2	
2	18.5	27	45.5	18.5	43	27	8.5	
3	12	31.5	49	2	40	31.5	8.5	
4	8.5	23.5	44	2	4	15	12	
5	31.5	52	49	15	40	18.5	5.5	
6	23.5	45.5	49	35.5	35.5	27	8.5	
7	27	40	55.5	49	49	53	12	
8	35.5	55.5	54	35.5	40	27	5.5	
9	31.5							
n group	8	8	8	8	8	8	8	56
Sum	188	296.5	364.5	172.5	291.5	220.5	62.5	

Applying the Student-Newman-Keuls (SNK) test for comparing sum ranks of the number of samples received for each day of the week during the months of November and December, the following information was determined: 1) the samples collected on Wednesdays are significantly higher than samples collected during the other days of the week, 2) the samples collected on Sunday are significantly lower than samples collected during the other days of the week, and 3) the samples collected on Saturdays are not significantly different from samples collected on Mondays or Thursdays.



Comparison of Specimen Count Between Days of Week



Treatment	M	Tu	W	Th	F	Sa	Su
Sum Ranks	188	296.5	364.5	172.5	291.5	220.5	62.5

Range = p	2	3	4	5	6	7
Pooled SE	13.4660066	20	26.5329983	33.0655914	39.5979797	46.1302504
Qcrit (x=0.05, df=infinity, range)	2.772	3.314	3.633	3.858	4.03	4.17
Critical Difference (Qcrit*Pooled SE)	37.3277703	66.28	96.3943829	127.567052	159.579858	192.363144

Treatment	W	Tu	F	Sa	M	Th	Su
Sum Ranks (Highest First)	364.5	296.5	291.5	220.5	188	172.5	62.5

Comparison	Difference	Range	Pooled SE	Crit Diff	Qcalc	Qcrit
W vs Su	302	7	46.1302504	192.363144	6.54668027	4.17
W vs Th	192	6	39.5979797	159.579858	4.84873221	4.03
W vs M	176.5	5	33.0655914	127.567052	5.33787519	3.858
W vs Sa	144	4	26.5329983	96.3943829	5.4272042	3.633
W vs F	73	3	20	66.28	3.65	3.314
W vs Tu	68	2	13.4660066	37.3277703	5.04975247	2.772
Tu vs Su	234	6	39.5979797	159.579858	5.90939239	4.03
Tu vs Th	124	5	33.0655914	127.567052	3.75012195	3.858
Tu vs M	108.5	4	26.5329983	96.3943829	4.08924761	3.633
Tu vs Sa	76	3	20	66.28	3.8	3.314
Tu vs F	5	2	13.4660066	37.3277703	0.37130533	2.772
F vs Su	229	5	33.0655914	127.567052	6.92562844	3.858
F vs Th	172.5	4	26.5329983	96.3943829	6.50133837	3.633
F vs M	103.5	3	20	66.28	5.175	3.314
F vs Sa	71	2	13.4660066	37.3277703	5.27253567	2.772
Sa vs Su	158	4	26.5329983	96.3943829	5.95484906	3.633
Sa vs Th	48	3	20	66.28	2.4	3.314
Sa vs M	32.5	2	13.4660066	37.3277703	2.41348464	2.772
M vs Su	125.5	3	20	66.28	6.275	3.314
M vs Th	15.5	2	13.4660066	37.3277703	1.15104652	2.772
Th vs Su	110	2	13.4660066	37.3277703	8.16871723	2.772