


Video 2: Threshold, Critical Thinking & Slicers

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Threshold Analysis

A	B	C	D	E	F	G	H	I	J	K	L	M
IncidentType	2015	2016	2017	2018	2019	2020	Avg	Wtd. Avg.	St Dev	Normal Range	Change	Z Score
Rape	2	1	2	1	2	1	1.6	1.60	0.4899	1-2	-38%	-1.22
Indecent Assault	6	1	1	4	5	1	3.4	3.47	2.05913	1-5	-71%	-1.17
Peeping & Spying	0	0	1	0	0	2	0.2	0.20	0.4	0-1	900%	4.50
Aggravated Assault	11	14	6	5	8	11	8.8	7.80	3.31059	5-12	25%	0.66
Simple Assault	44	41	40	33	33	49	38.2	36.20	4.44522	34-43	28%	2.43

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Threshold Analysis

Key Statistics

- Average/Weighted Average
- Standard Deviation
- Normal Range
- Percent Change from Average
- Z-Scores

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Threshold Analysis

Category ideas:

- Crimes
- Crashes
- Enforcement
- Social Harms
- Gang Activity
- DDACTS Activity

Breakdown ideas:

- By zones/sectors
- By shifts
- Year-to-date
- Monthly
- Quarterly
- Last 28 days
- Pattern Types



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Critical Thinking

	A	G	I	K	L	M	N
1	IncidentType	2020	Wtd. Avg.	Normal Range	Change	Z Score	NOTES
2	Rape	1	1.60	1-2	-38%	-1.22	No fluctuations
3	Indecent Assault	1	3.47	1-5	-71%	-1.17	No fluctuations
4	Peeping & Spying	2	0.20	0-1	900%	4.50	Cases increased due to Mike Jones (14yoa) peeping at girls in school bathroom. Parents called.
5	Aggravated Assault	11	7.80	5-12	25%	0.66	Increase in 2020 due to assaults at bars, particularly downtown during 0300-0400 hours.
6	Simple Assault	49	36.20	34-43	28%	2.43	Increase due to domestic violence cases. Repeat cases included 123 Main Street and Jane Doe.

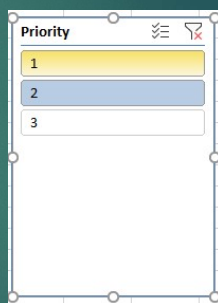
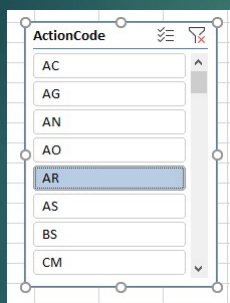
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Slicers: Step 1 – Pivot Charts

Count of CallNum	Column Labels							
Row Labels	0000-0400	0400-0800	0800-1200	1200-1600	1600-2000	2000-2400	Grand Total	
ABMV	2	10	111	70	11	1	205	
ABUS	4	1		4	6	4	19	
ACAL	109	160	150	99	124	144	786	
ACDT	18	76	189	341	273	74	971	
ACOC	8	17	80	90	45	18	258	
AMBU	92	50	92	103	93	112	542	
ARRE	3	1	7	10	3	3	27	
ASLT	7	6	12	15	26	14	80	
ATLO	19	9	61	56	89	66	300	
BDCK				1	1		2	
BLDG	7	5	1	1	6	5	25	
BOX	8	5	5	7	4	6	35	
BURG	6	1	10	12	13	15	57	
CHWB	18	17	73	95	86	62	351	
COMM	9	4	106	41	52	9	221	
COMP					1	1	2	
COND	175	43	112	143	180	185	838	

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Slicers: Step 2 – Insert Slicers



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