



## 6. Risk Assessment Practice

### Activities:

- **Tool:** Google Sheets
- **Task:** Calculate ALE for a mock scenario.

### Mock Scenario

Let's use this example:

- Asset: Financial Database
- SLE (Single Loss Expectancy): \$50,000
- ARO (Annual Rate of Occurrence): 0.1 (i.e., once every 10 years)

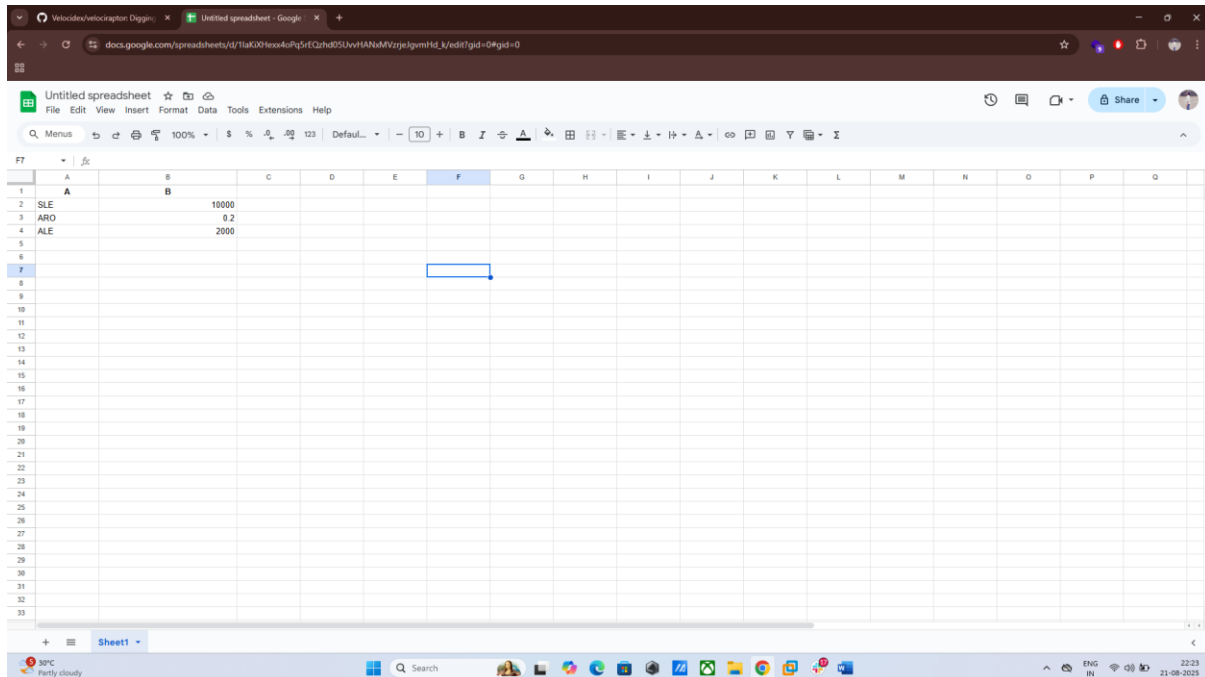
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q
1	A	B															
2	Asset	Financial Database															
3	SLE (\$)	50000															
4	ARO (Annual R)	0.1															
5	ALE (\$)	5000															
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Annualized Loss Expectancy (ALE) = \$5000



## Enhanced Tasks:

- **ALE Calculation:** Calculate ALE for a ransomware scenario (SLE = \$10,000, ARO = 0.2) in Google Sheets. Document:  $ALE = SLE \times ARO$ .



$ALE = \$2000$

- **Risk Matrix:** Create a 5x5 risk matrix (Likelihood vs. Impact) and score the ransomware scenario.

	1 (Insignificant)	2 (Minor)	3 (Moderate)	4 (Major)	5 (Catastrophic)
5 (Almost Certain)	5	10	15	20	25
4 (Likely)	4	8	12	16	20
3 (Possible)	3	6	9	12	15
2 (Unlikely)	2	4	6	8	10
1 (Rare)	1	2	3	4	5