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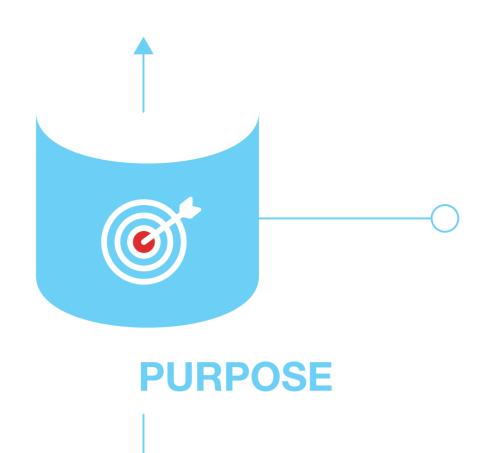
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DISTANCE TO DEFAULT





This poster addresses one particular chapter of the thesis on default risk.

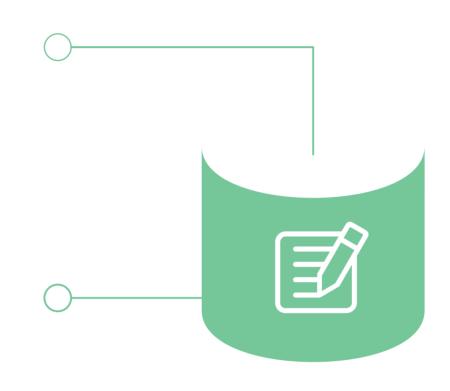
It assesses the significance of the **Distance to Default (DD)** model in predicting financial distress for **6 countries in the ASEAN** region.

The firm defaults when asset volatility causes the market value of assets to fall below its debt values.

$$DD = \frac{\ln\left(\frac{V}{F}\right) + (\mu - 0.5\sigma_v^2)T}{\sigma_v \sqrt{T}}$$

The data includes 120 firms (listed and delisted) from 1997 to 2016 for each of 6 Southeast Asian countries.

The aggregate prediction scores based on DD models will be compared to aggregate corporate nonperforming loans (NPLs) and interest cover (ICRT).











The DD model can provide an early warning indicator of potential financial problems.

Table 1. Credit risk results	ole 1. Credit risk results						
ASEAN Countries	[DD	NPLs	ICRT			
AFC	3	.75	19.55	5.37			
Pre GFC	7	.40	10.92	8.70			
GFC	4	.98	3.26	8.65			
Post GFC	12	2.86	1.90	9.45			
Whole period	8	.89	6.75	8.52			

RESULT

Note: AFC: Asian Financial Crisis

GFC: Global Financial Crisis

A higher DD means a lower risk; a ranking of 1 shows the highest risk

Table 2. DD s	Table 2. DD scores of ASEAN countries. Crisis periods compared to non-crisis periods											
Country	AFC	Rank	Pre GFC	Rank	GFC	Rank	Post GFC	Rank	Whole period	Rank		
Vietnam	-	-	-	1	2.76	1	7.49	1	6.54	2		
Thailand	2.46	2	5.50	1	4.64	4	7.75	3	6.01	1		
Singapore	3.08	3	6.77	2	7.58	6	33.70	6	17.25	6		
Philippines	3.85	5	7.20	3	4.07	3	7.55	2	6.69	3		
Malaysia	3.35	4	9.89	5	7.15	5	12.20	5	9.88	5		
Indonesia	1.44	1	7.64	4	3.68	2	8.51	4	6.97	4		