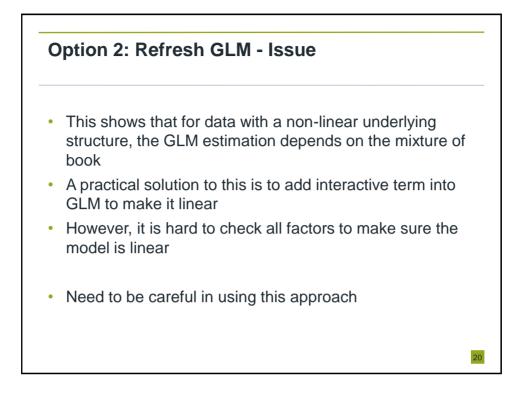
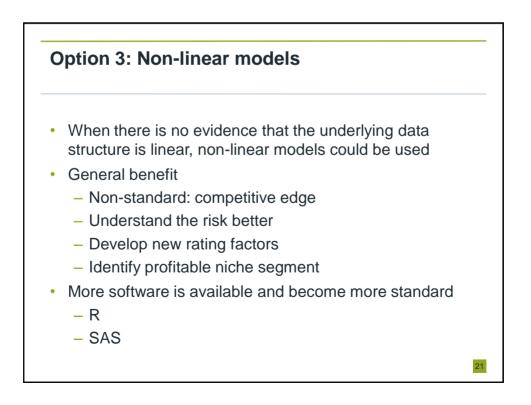
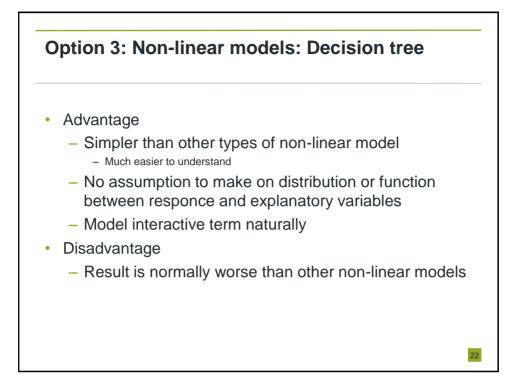


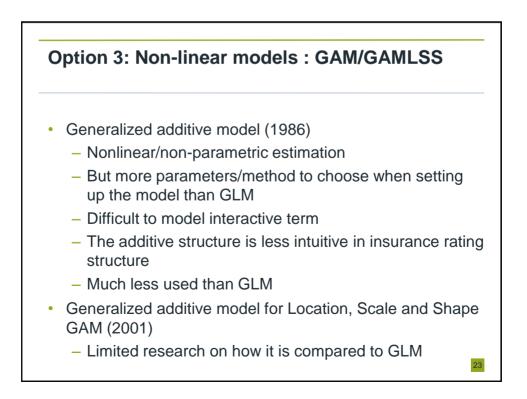
Option 2:	Refre	sh GL	М -	Issue	
Standardize d Exposure	Factor 1 - A	Factor 1 - B			Parameter Estimation
Factor 2 - 1	20	36	-	Intercept	0.8000
Factor 2 - 2	2	1		Factor 1 - A	- 0.1936
				Factor 2 - 1	- 0.6136
Standardize d Exposure	Factor 1 - A	Factor 1 - B			Parameter Estimation
Factor 2 - 1	20	36		Intercept	0.8379
Factor 2 - 2	2	2		Factor 1 - A	- 0.1983
				Factor 2 - 1	- 0.6498
Standardize d Exposure	Factor 1 - A	Factor 1 - B			Parameter Estimation
Factor 2 - 1	20	36		Intercept	0.8729
Factor 2 - 2	2	4		Factor 1 - A	- 0.2026
				Factor 2 - 1	- 0.6833

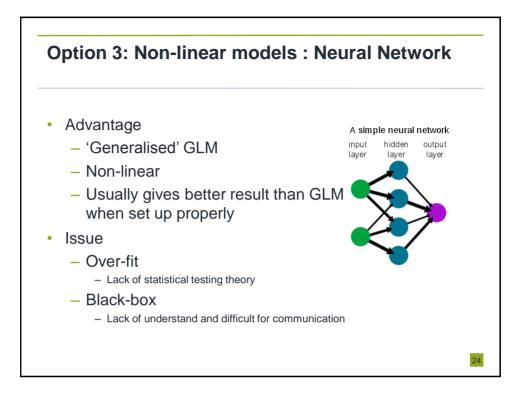
	Option 2: Refresh GLM - Issue						
Standardize d Exposure	Factor 1 - A	Factor 1 - B	High exposure segment have				
Factor 2 - 1	0.9928	1.2049	very limited impact				
Factor 2 - 2	1.8338	2.2255	Low exposure segment could				
			change as much as 7%				
Standardize d Exposure	Factor 1 - A	Factor 1 - B					
Factor 2 - 1	0.9899	1.2070					
Factor 2 - 2	1.8957	2.3115					
Standardize d Exposure	Factor 1 - A	Factor 1 - B					
Factor 2 - 1	0.9871	1.2088					
Factor 2 - 2	1.9548	2.3938					

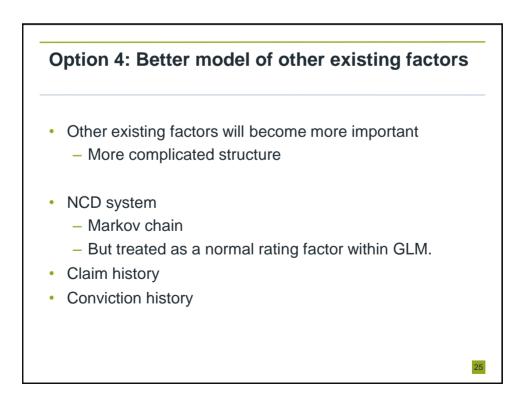




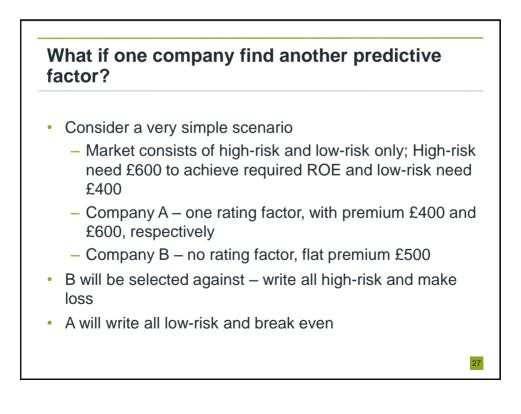












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## What if one company find another predictive factor?

- However, B will realize its loss and, based on the claim experience, increase premium to £600
- B will write half of the high-risk, make even
- A will write all low-risk plus half of the high-risk, make even
- This state is stable...
- until A realise its advantage and increase premium for lowrisk
  - A will then make profit

## What if one company find another predictive factor?

- The advantage of extra rating factor need to be combined with acute market awareness to get real benefit
  - Mixture of book
  - Conversion
- Company with less rating factor can still run business in the high-risk segment
  - Volume will be limited
  - But not a problem for small/niche market player
- Pricing strategy and game theory

