

# Modeling the Recovery Time of Stock Prices using Accelerated Failure Time Model

Gathu Kipyegon

Dedan Kimathi University of Technology

February 28, 2024

# Exchange plot

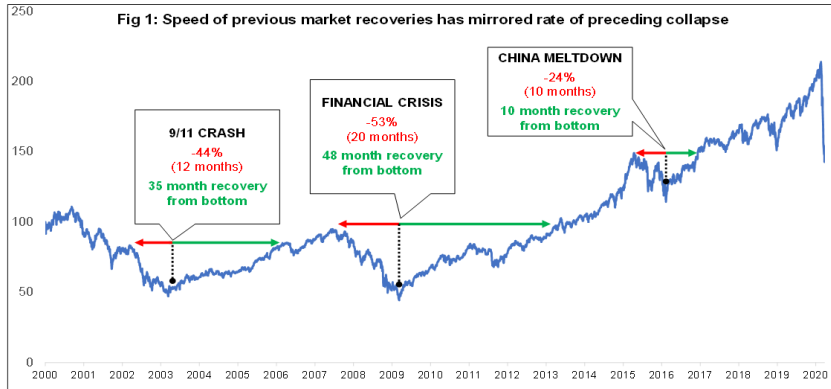


Table: Dataset of Companies

Company	Sector	Period	Stock Market Index	Inflation Rate	Exchange Rate	Closing Price	Duration in Months	Event
Safaricom	Service	2008-2010	4000	6.0%	80.50	25.60	8	1
Bamburi	Industry	2008-2010	2500	8.5%	70.20	48.75	5	1
Nation Media	Service	2008-2010	3200	5.4%	85.10	55.80	24	0
Mumias	Industry	2008-2010	1800	7.2%	75.80	33.20	7	0
KCB	Financery	2008-2010	2800	6.8%	78.90	72.40	2	1
East African Breweries	Industry	2008-2010	2200	7.5%	82.30	40.15	2	1

# Slide 3

Content of slide 3