

Stress Testing on Bank Loans

Data

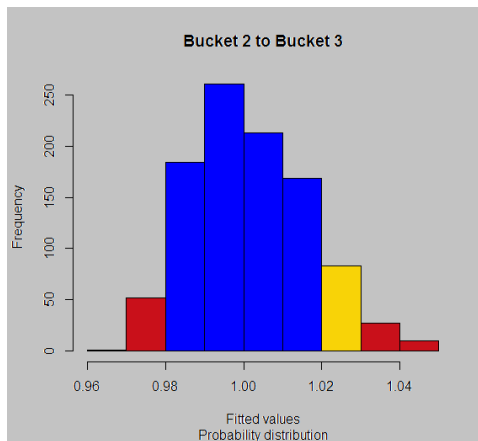
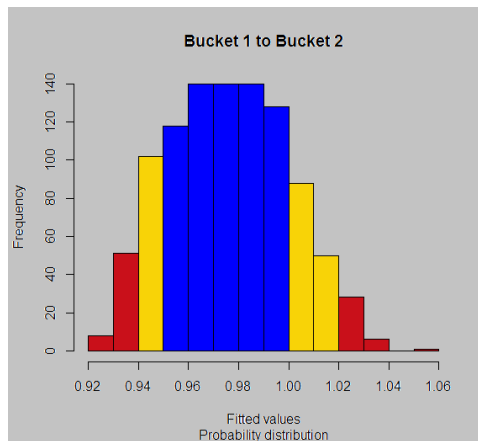
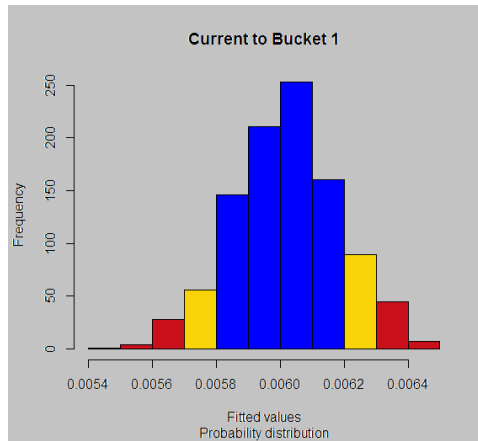
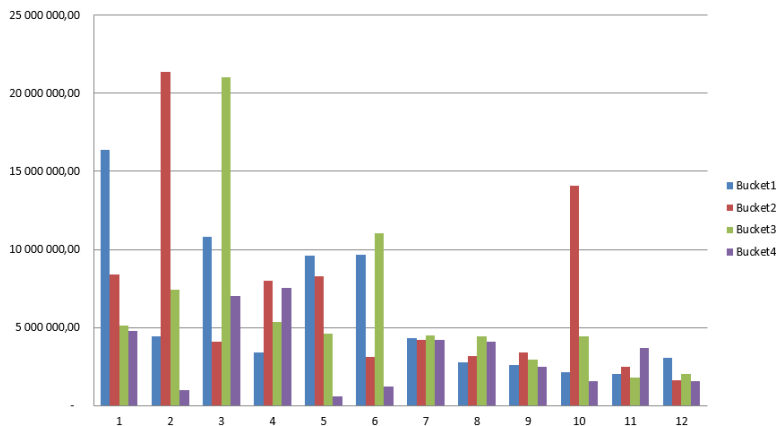
	1	2	3
ENR	864 794 705,15	832 007 064,50	837 851 571,74
Current	830 122 356,10	797 825 011,81	794 881 096,40
Bucket1	16 401 093,88	4 435 104,95	10 821 553,46
Bucket2	8 386 427,26	21 337 706,78	4 075 788,24
Bucket3	5 125 715,03	7 398 288,88	21 047 974,86
Bucket4	4 759 112,88	1 010 952,08	7 025 158,78

Current-B1		0,005	0,014
B1-B2		1,301	0,919
B2-B3		0,882	0,986
B3-B4		0,197	0,950

Data Transformation

- Corporate loans spread in 12 months
- The loans were aggregate for each month
- The overdue amount on the loans was distributed in 4 buckets depending on the days of the last payment
- Estimating the gross credit loss – Write-offs (amount that has not been paid more than 120 days)

The overdue amount in 4 buckets by month



Modeling the Data

Forecast is based on the repetitive sampling from the empirical distribution of the explanatory variables:

- Interest rates on credit loans for non-financial corporations and households
- House Price Index
- Unemployment
- Gross Domestic Product