

Appendix to
Dynamic Analysis of Household Debt
Using Self-Organizing Map

Hyun Hak Kim^{*}
Kookmin University

A1. Result using all variables

Figure A1. Counts plot of SOM using all variables.

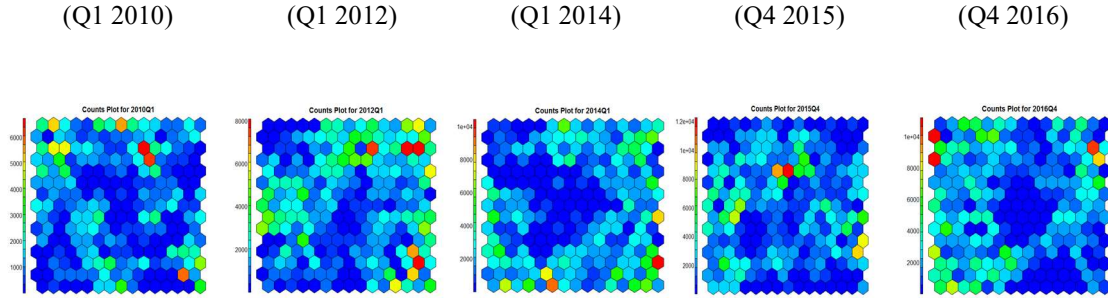
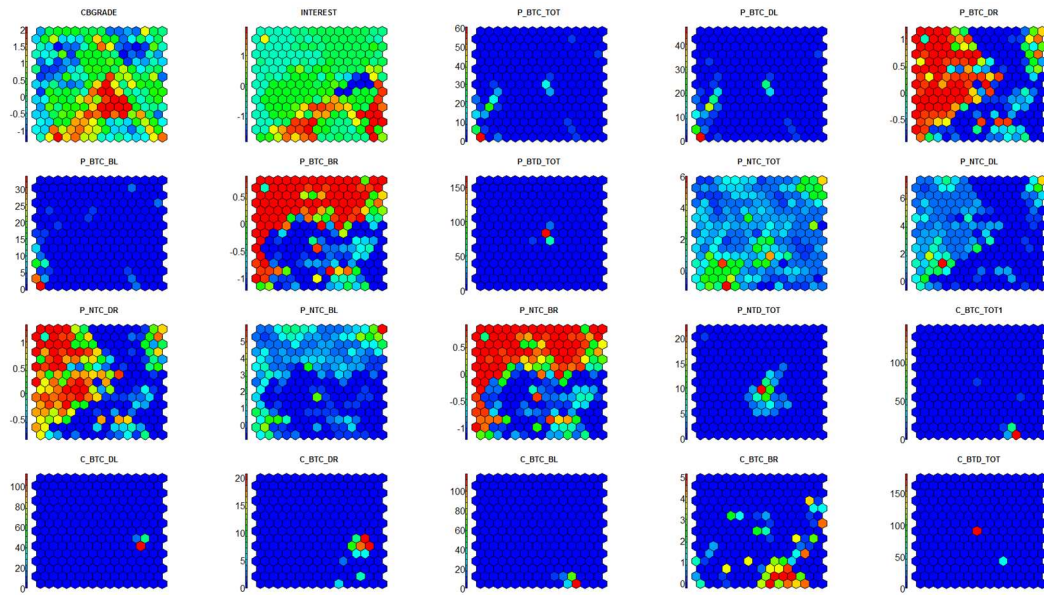


Figure A2. Heatmap in 2010 (Q1) Using All Variables.



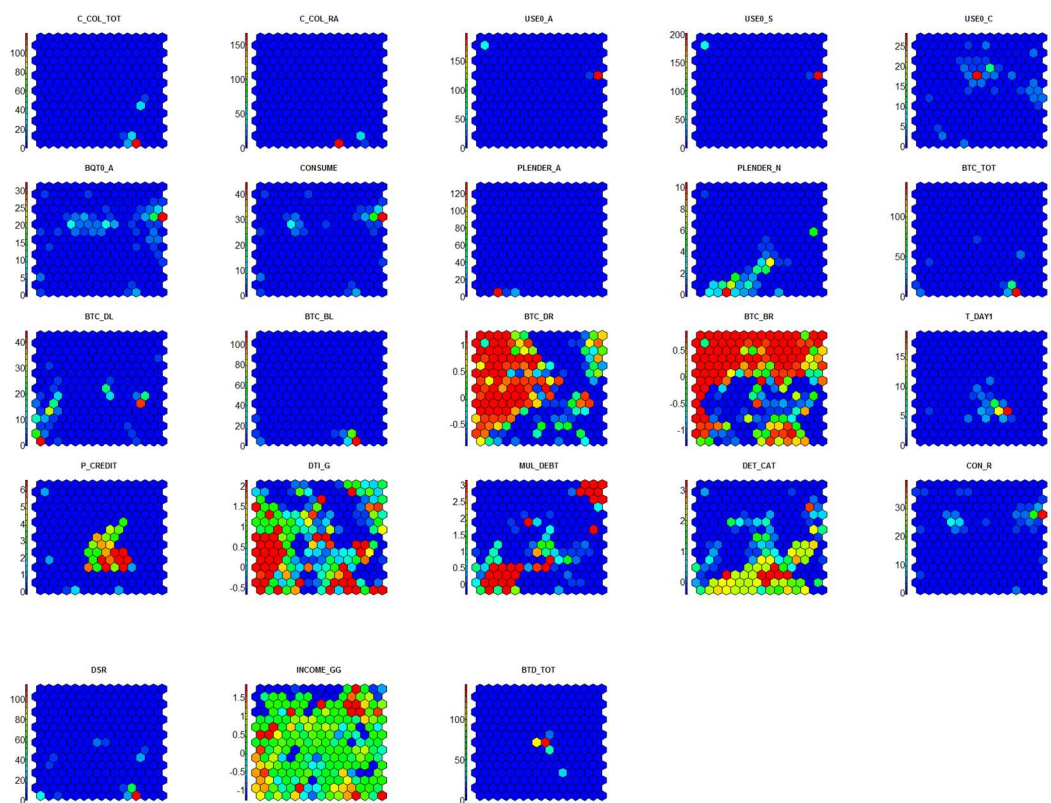
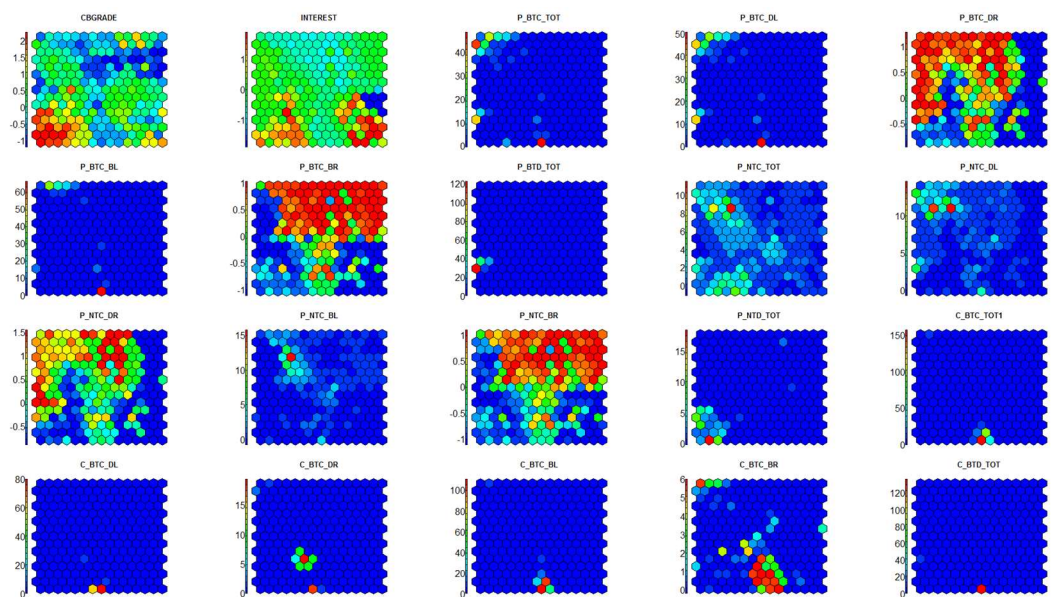


Figure A3. Heatmap in 2012 (Q1) Using All Variables.



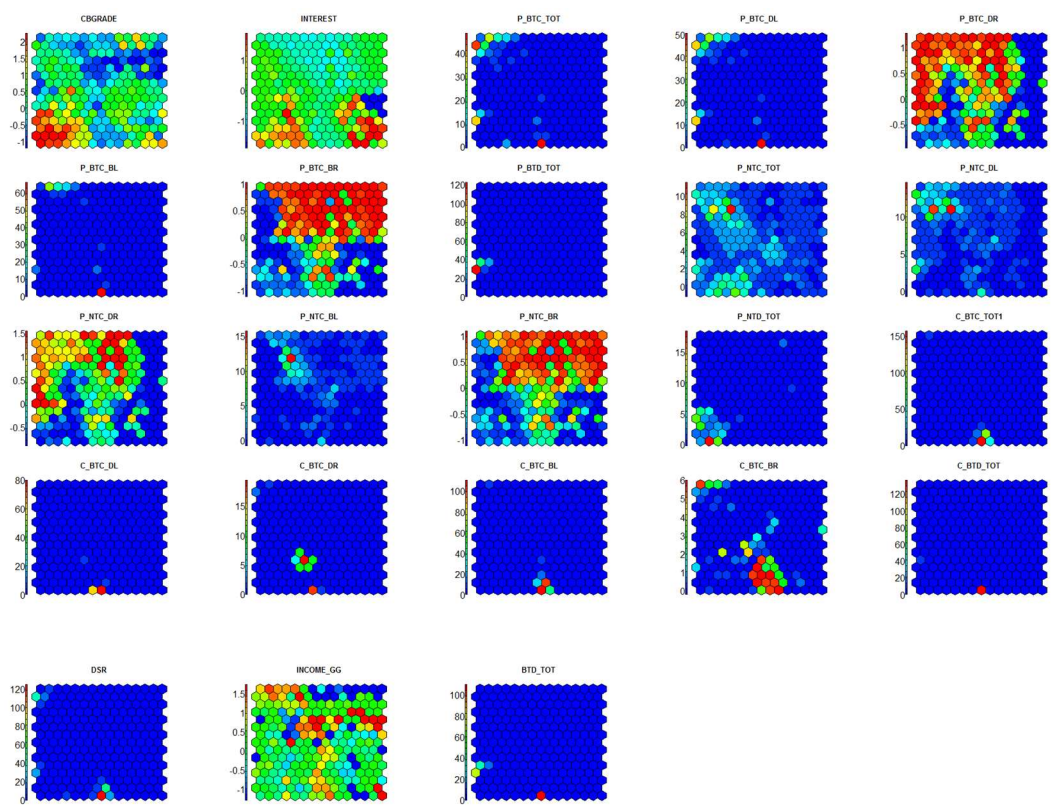


Figure A4. Heatmap in 2014 (Q1) Using All Variables.

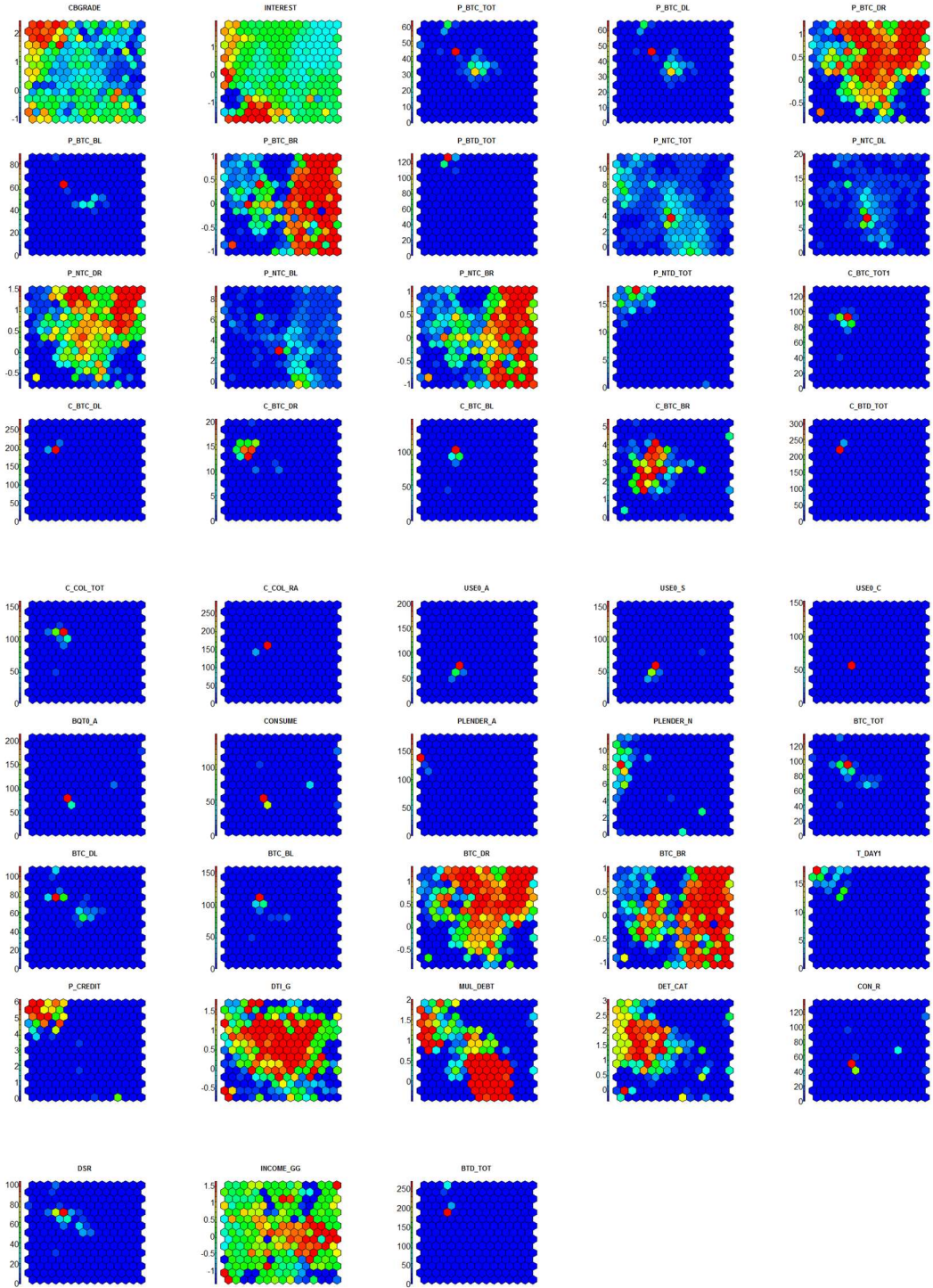


Figure A5. Heatmap in 2015 (Q4) Using All Variables.

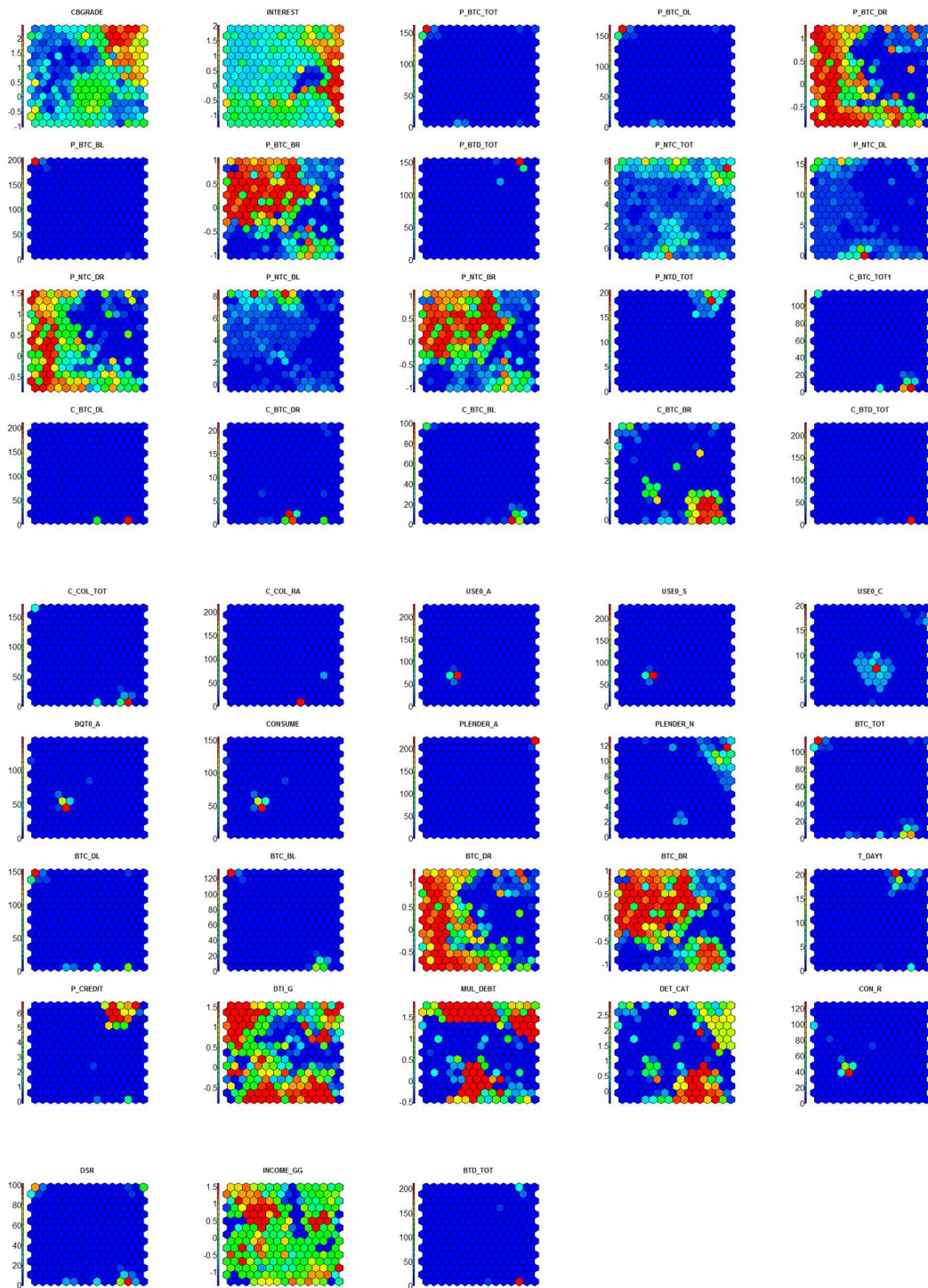


Figure A6. Heatmap in 2016 (Q4) Using All Variables.

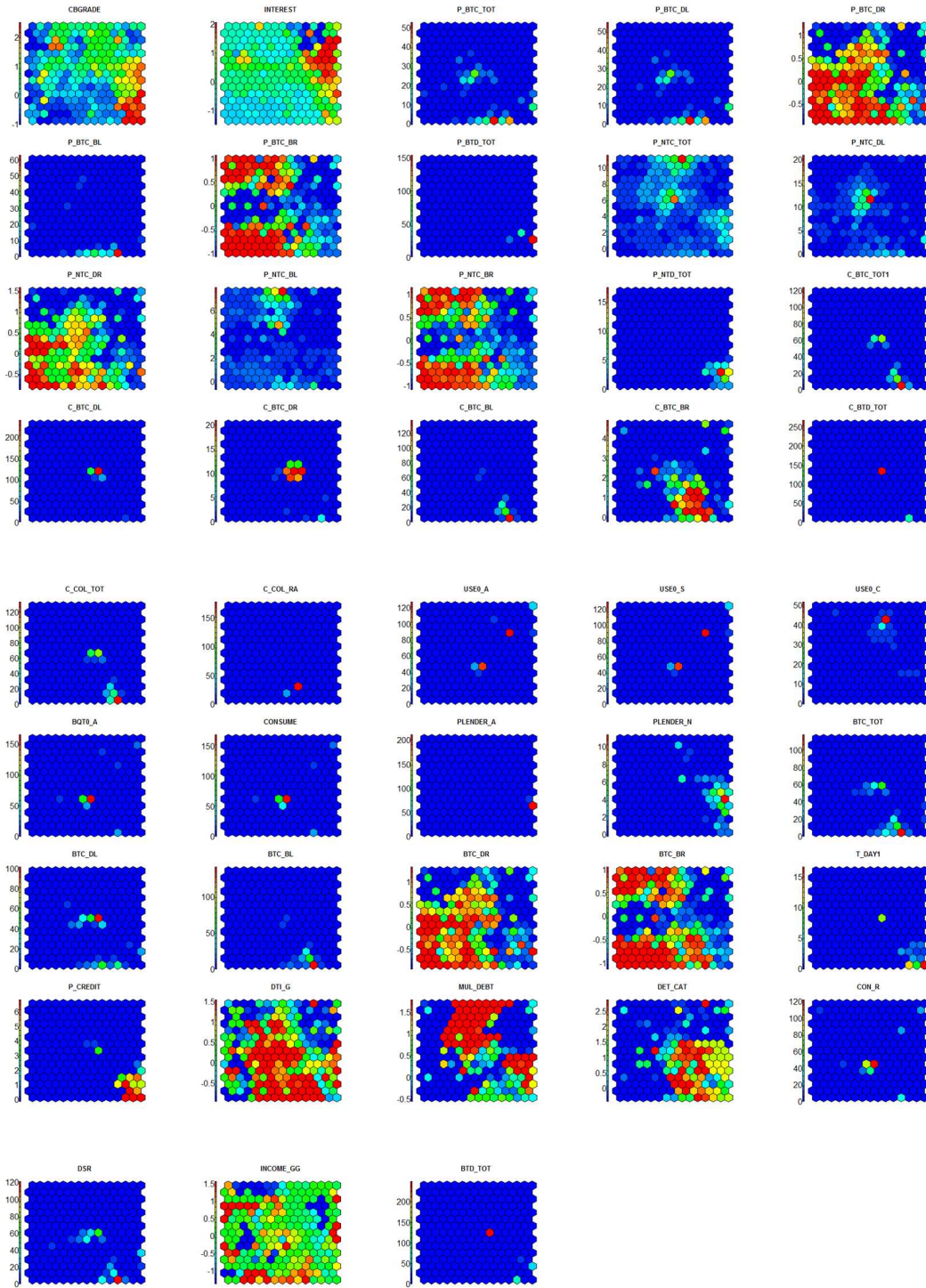


Figure A7. Sum of squares in SOM using all variables.

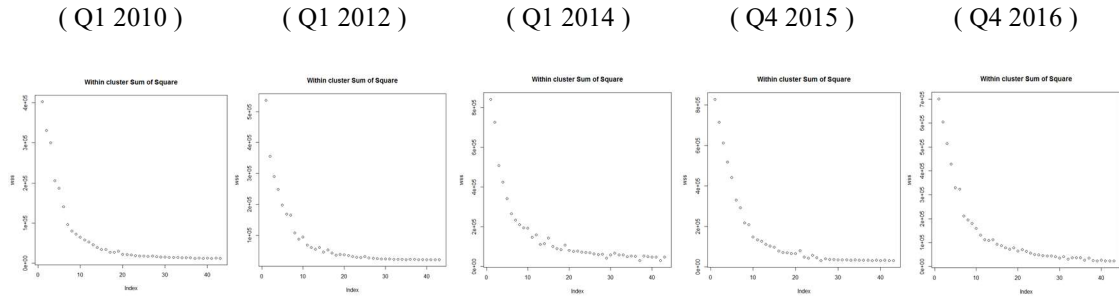


Figure A8: Cluster Analysis of SOM Using All Variables

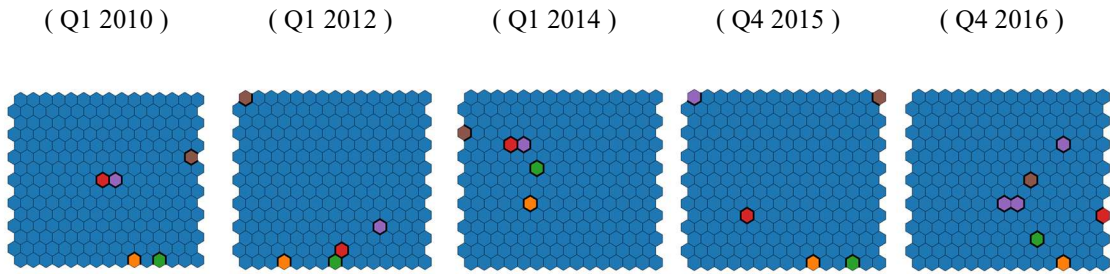
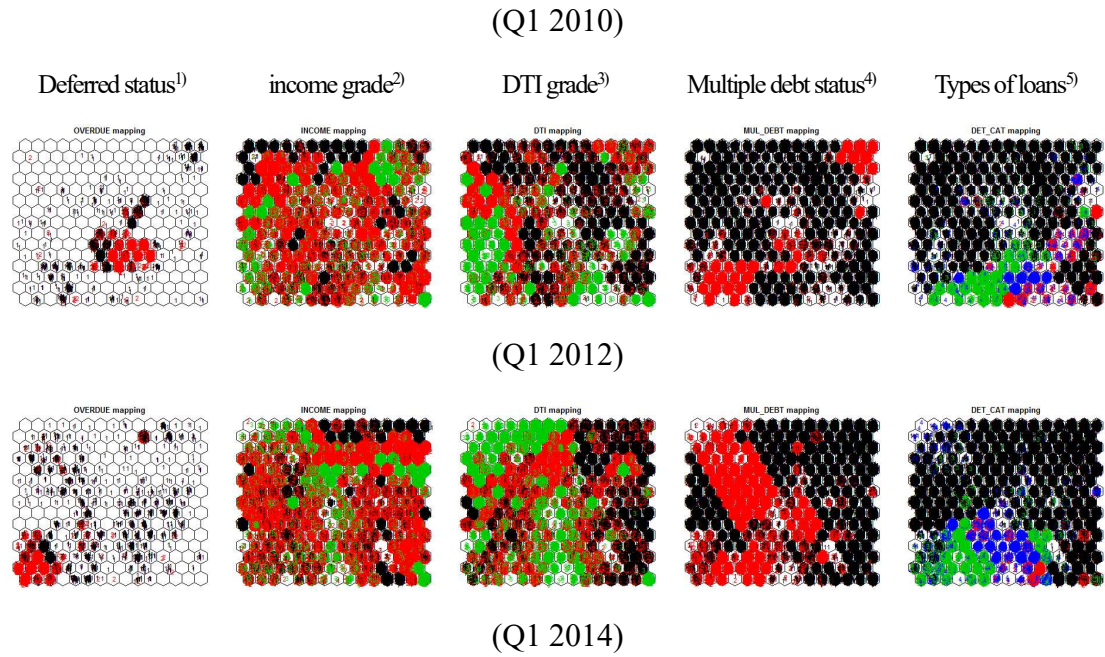
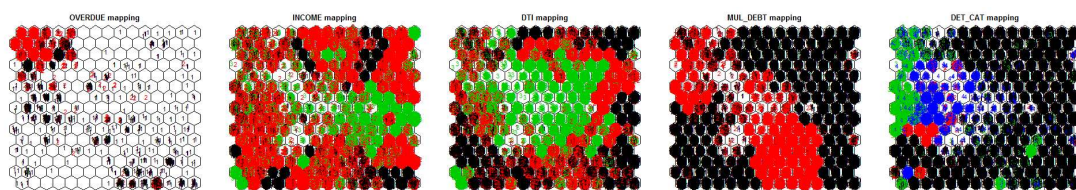
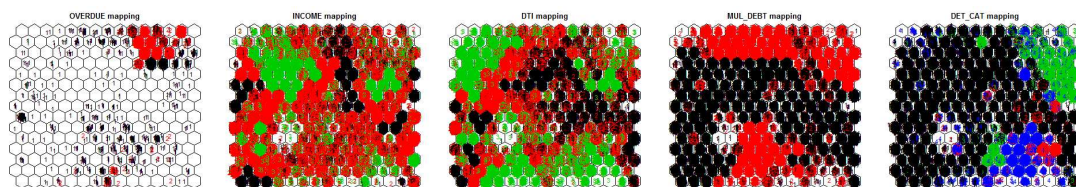


Figure A9: Mapping results of key variables on SOM using all variables

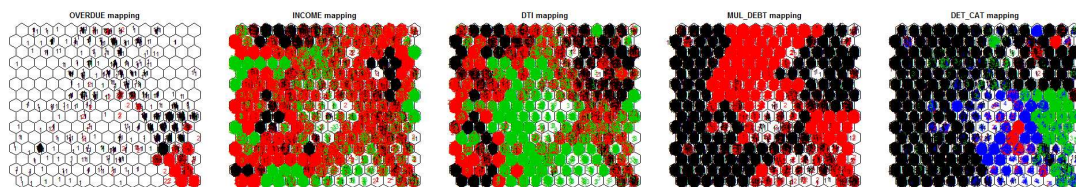




(Q4 2015)



(Q4 2016)



Notes: See notes to Figure 11.