

Basel III and the supply of bank credit in South Africa

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Abstract

Keywords: Bank capital, Bank regulation, Credit

JEL Codes: G01, G18, G28, G32, G38

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1 Introduction

The paper investigates the impact of Basel III regulation on bank lending in South Africa. This introduction is an overview of the paper

2 Context

A review of policy context, with focus on South Africa but also reference to other emerging markets. Further detail in Appendix 1 and 2a.

3 Literature

Osborne et al. (2017)

Jokipii and Milne (2008)

Gambacorta and Mistrulli (2004)

Schwert (2018)

Kim and Sohn (2017)

Carlson et al. (2013)

Tabak et al. (2011)

Altunbas et al. (2004)

Gambacorta and Shin (2018)

Berrospide and Edge (2010)

4 Model specification

5 Estimation Results

6 Conclusion

7 Appendix: Descriptive Analysis

7.1 Data

7.1.1 Capital Buffers

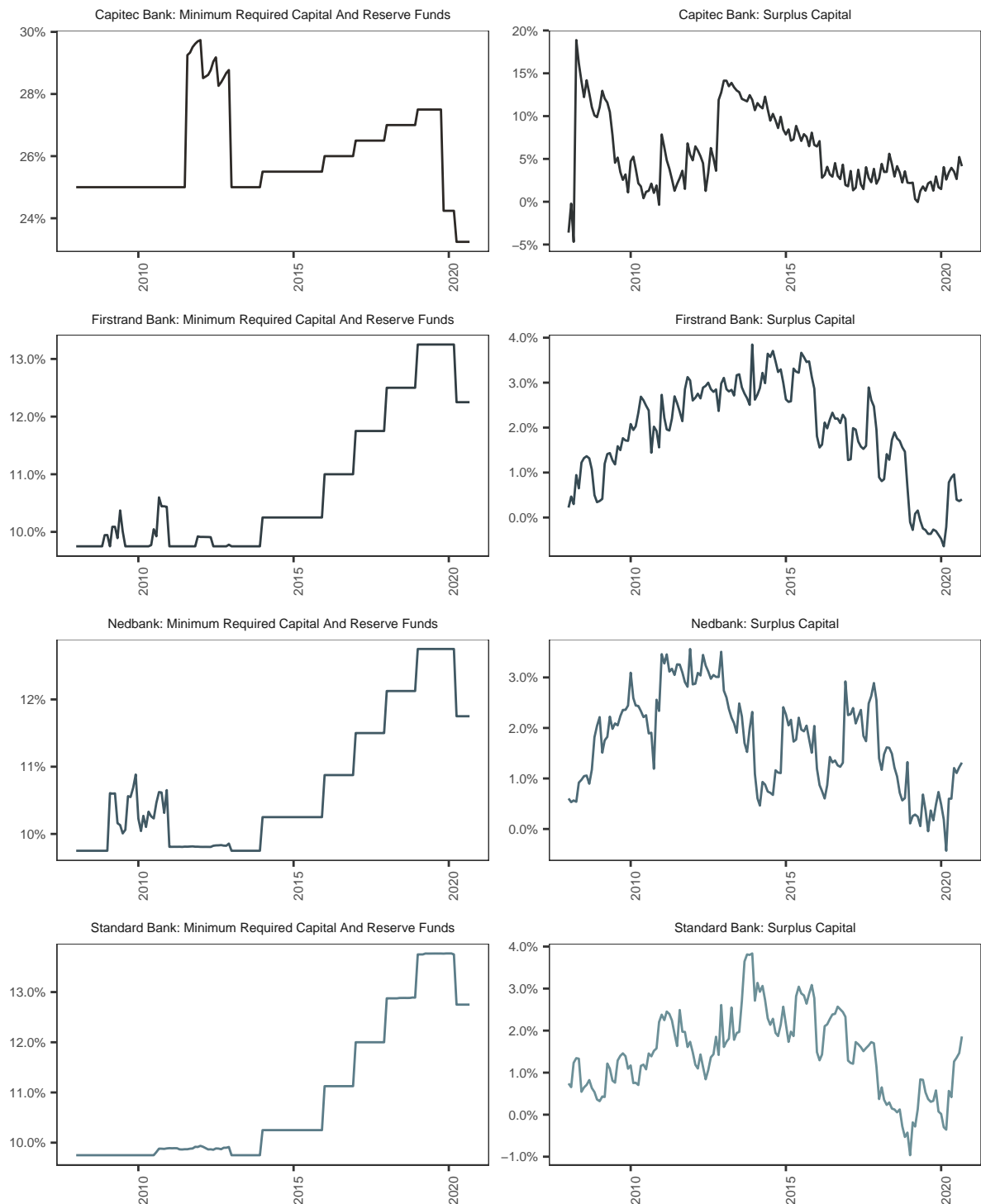


Figure 1: Capital buffers. Source: South African Reserve Bank (2022) REMOVE

7.1.2 BA 900 Quarterly Data

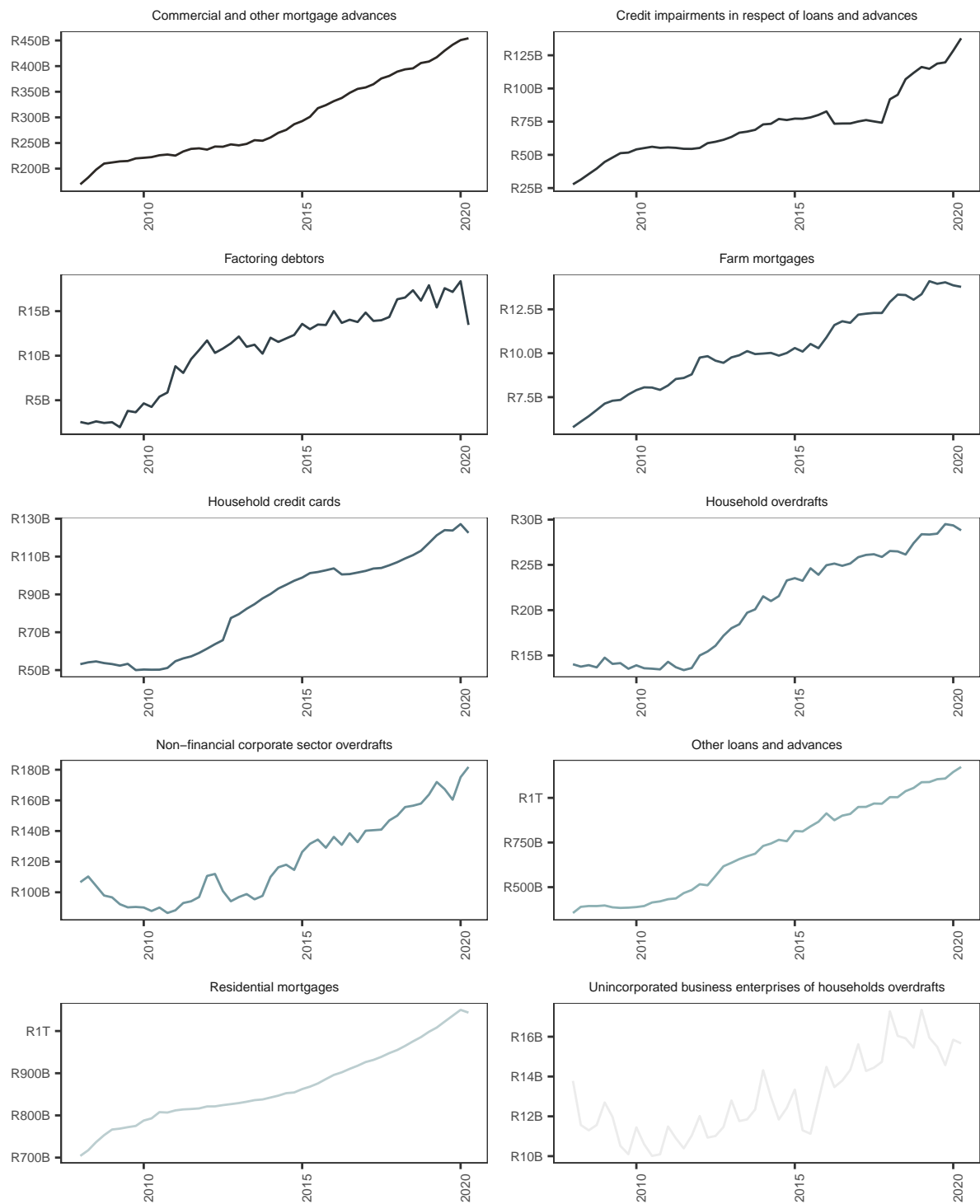


Figure 2: Bank lending totals. Source: South African Reserve Bank (2022)

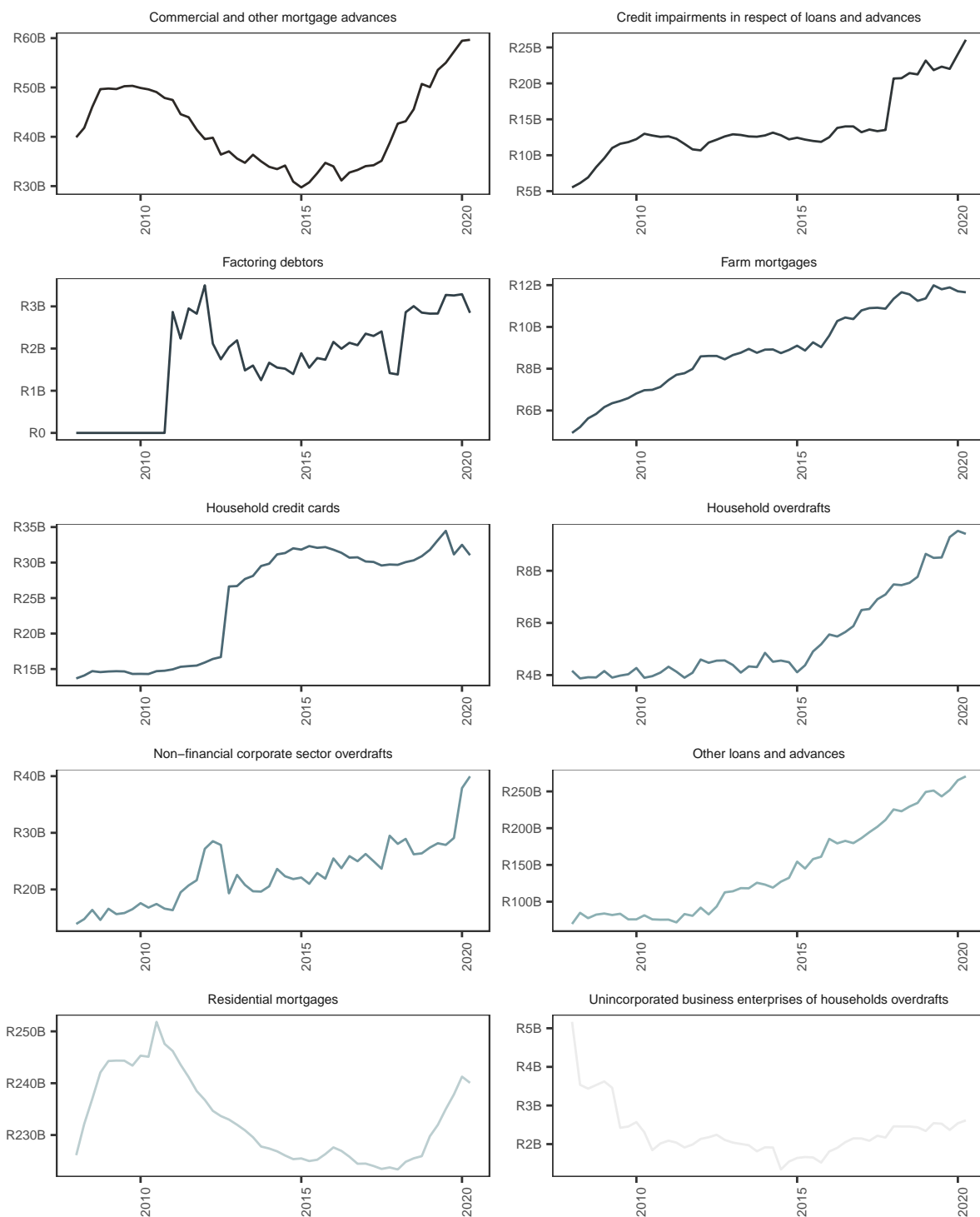


Figure 3: Absa bank lending. Source: South African Reserve Bank (2022)

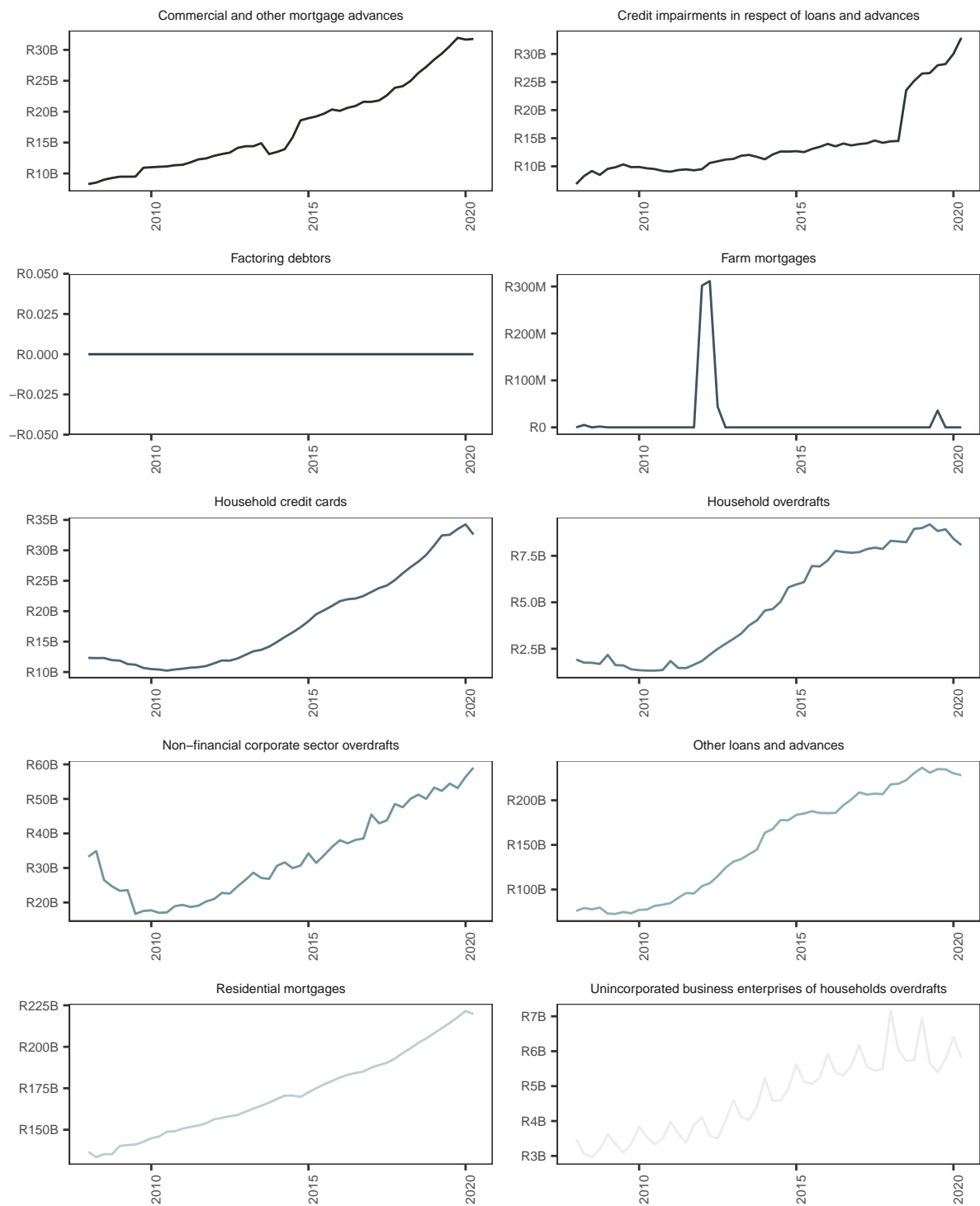


Figure 4: FNB bank lending. Source: South African Reserve Bank (2022)

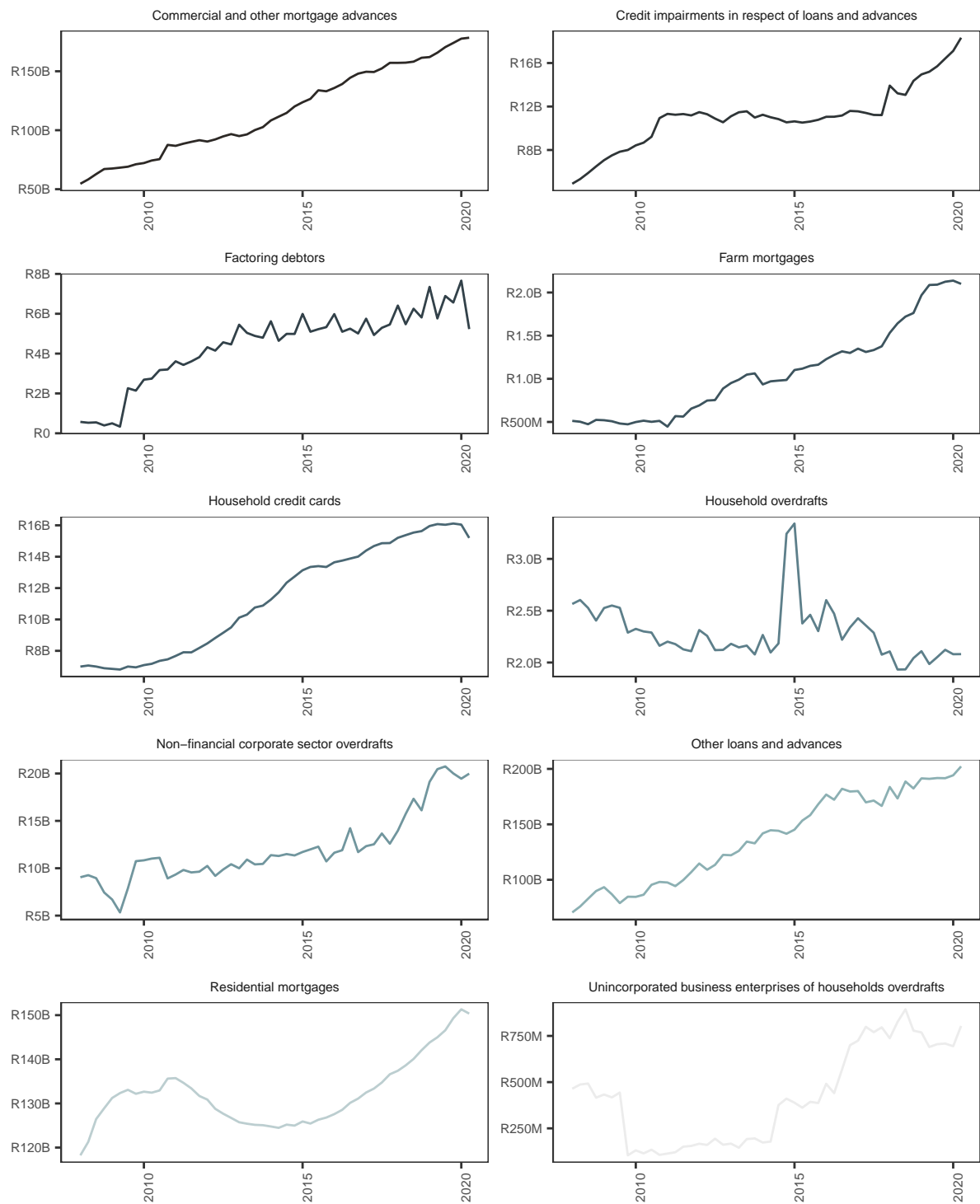


Figure 5: Nedbank bank lending. Source: South African Reserve Bank (2022)

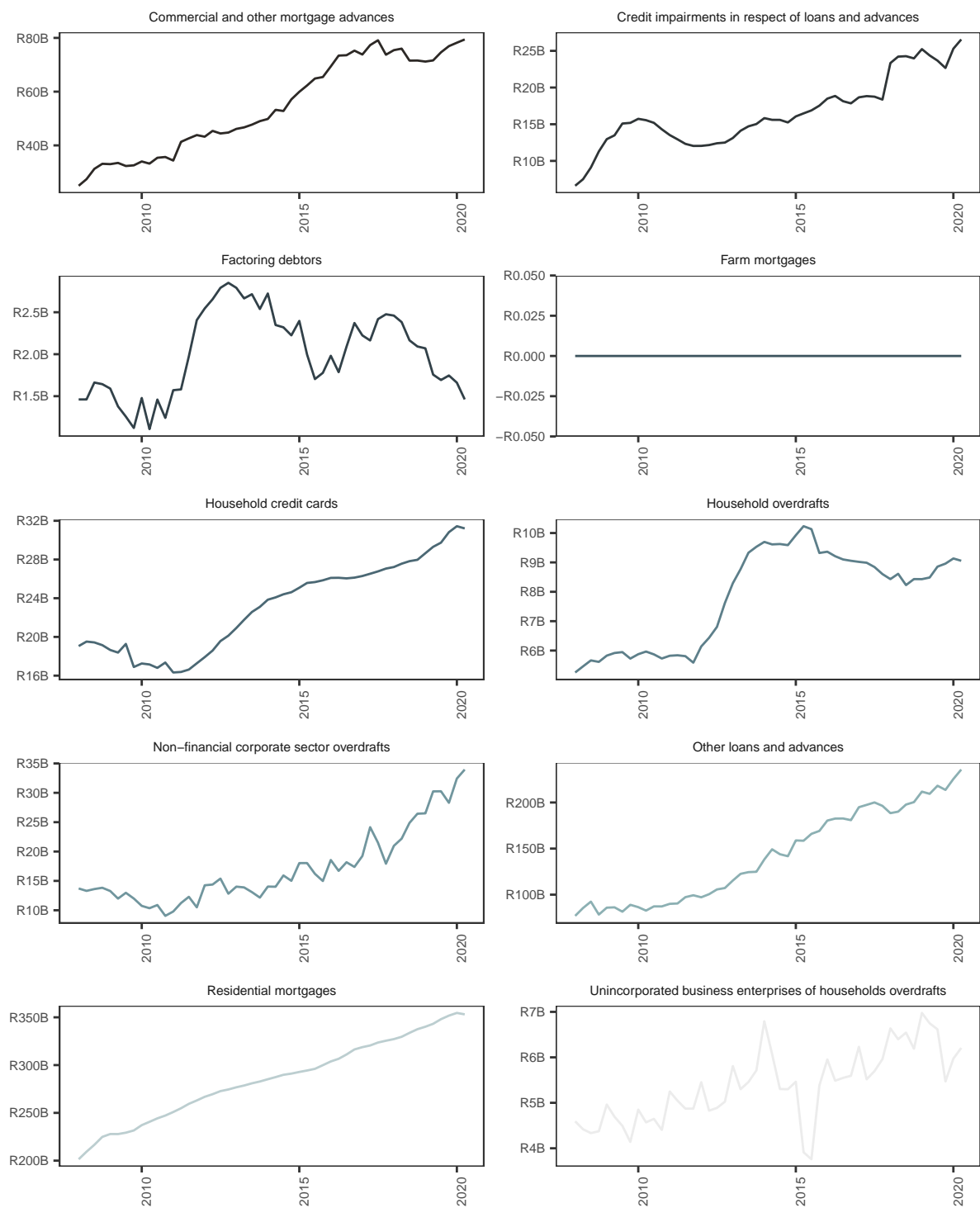


Figure 6: Standard bank lending. Source: South African Reserve Bank (2022)

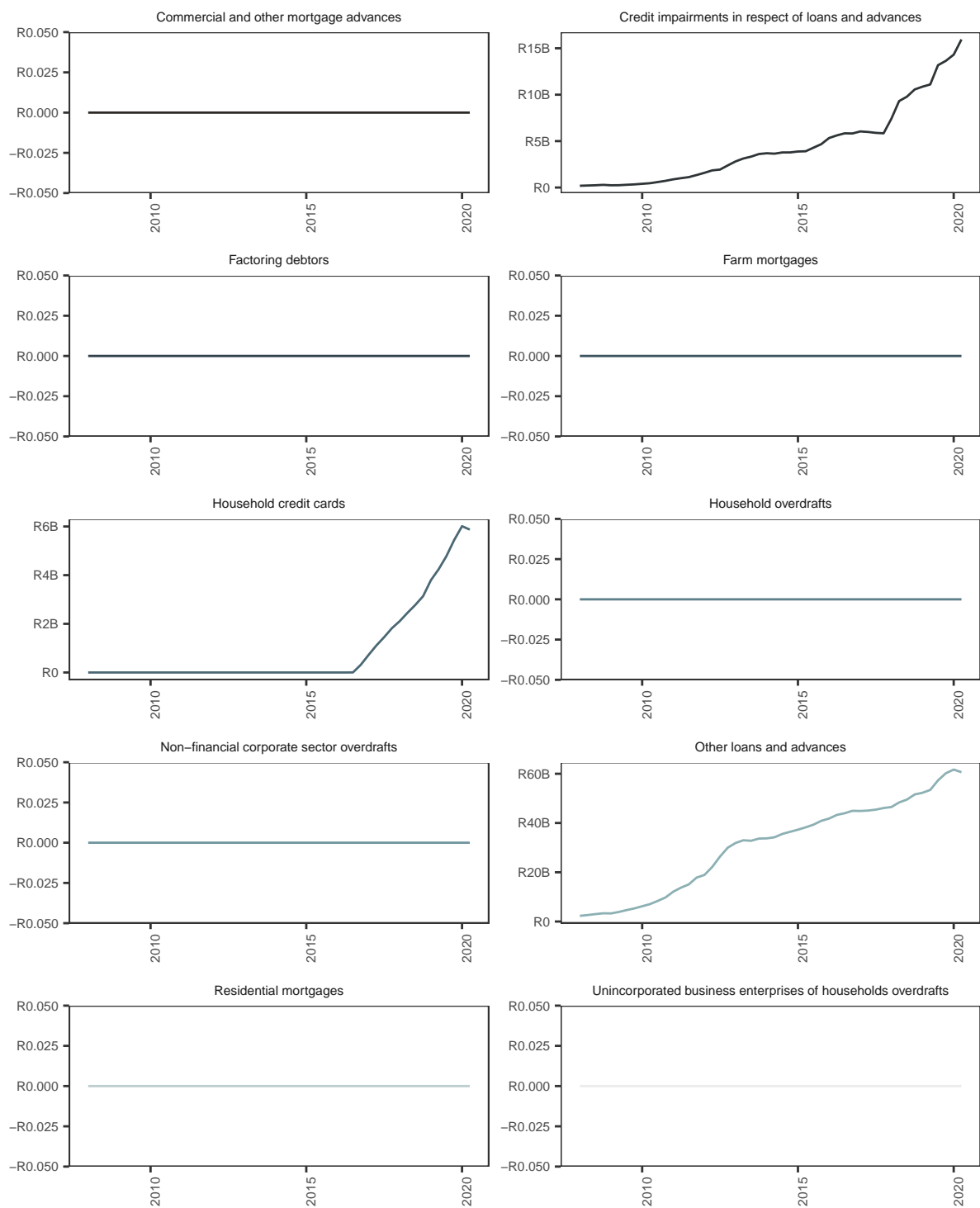


Figure 7: Capitec bank lending. Source: South African Reserve Bank (2022)

7.1.3 BA 900 to GDP

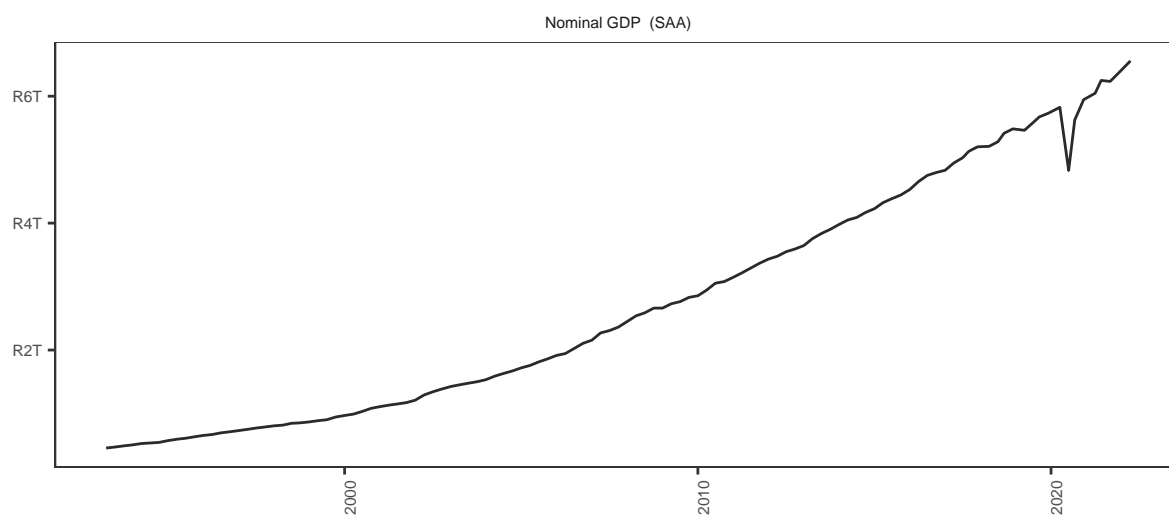


Figure 8: Nominal GDP. Source: South African Reserve Bank (2022)

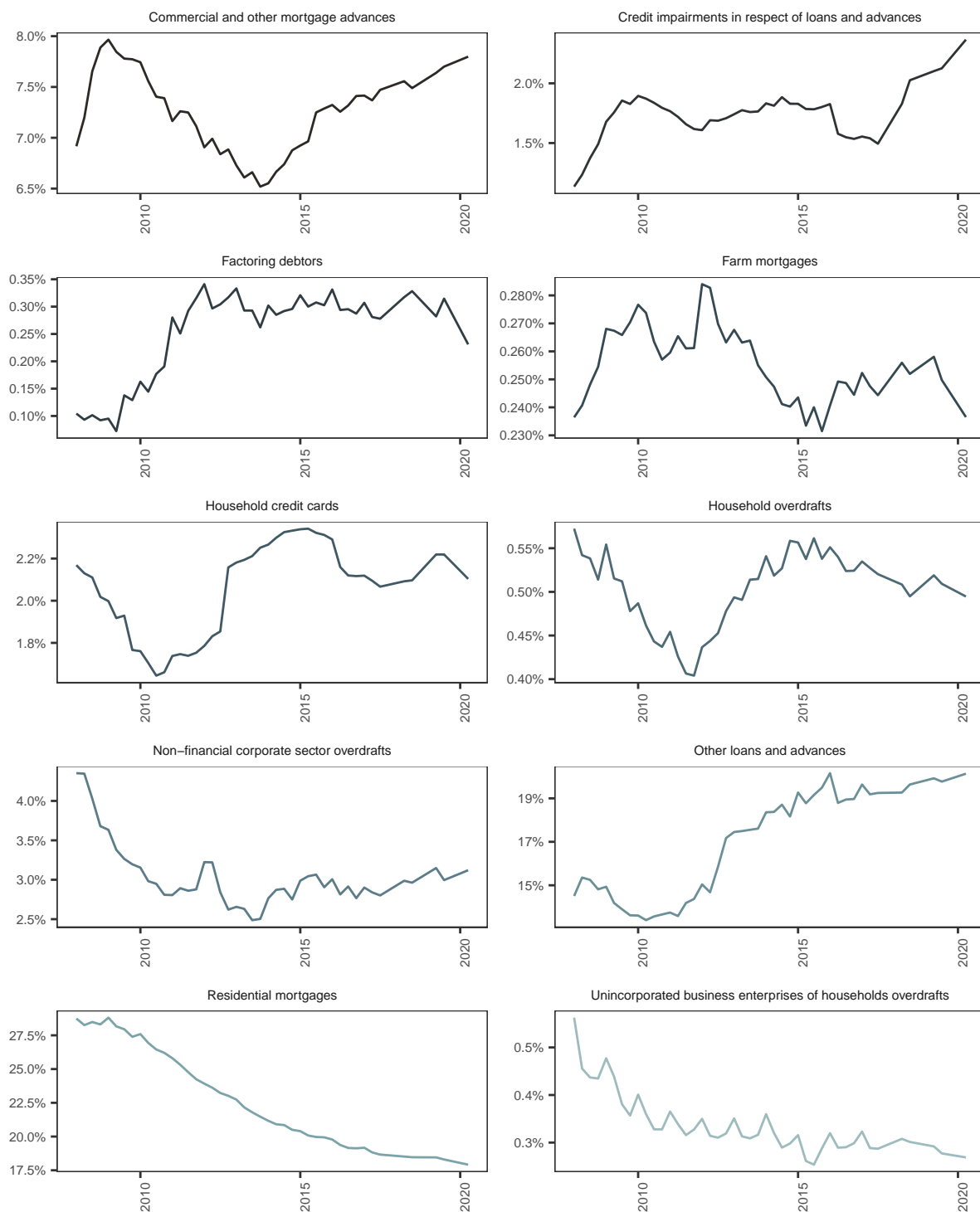


Figure 9: Total bank lending as a percent of GDP. Source: South African Reserve Bank (2022)

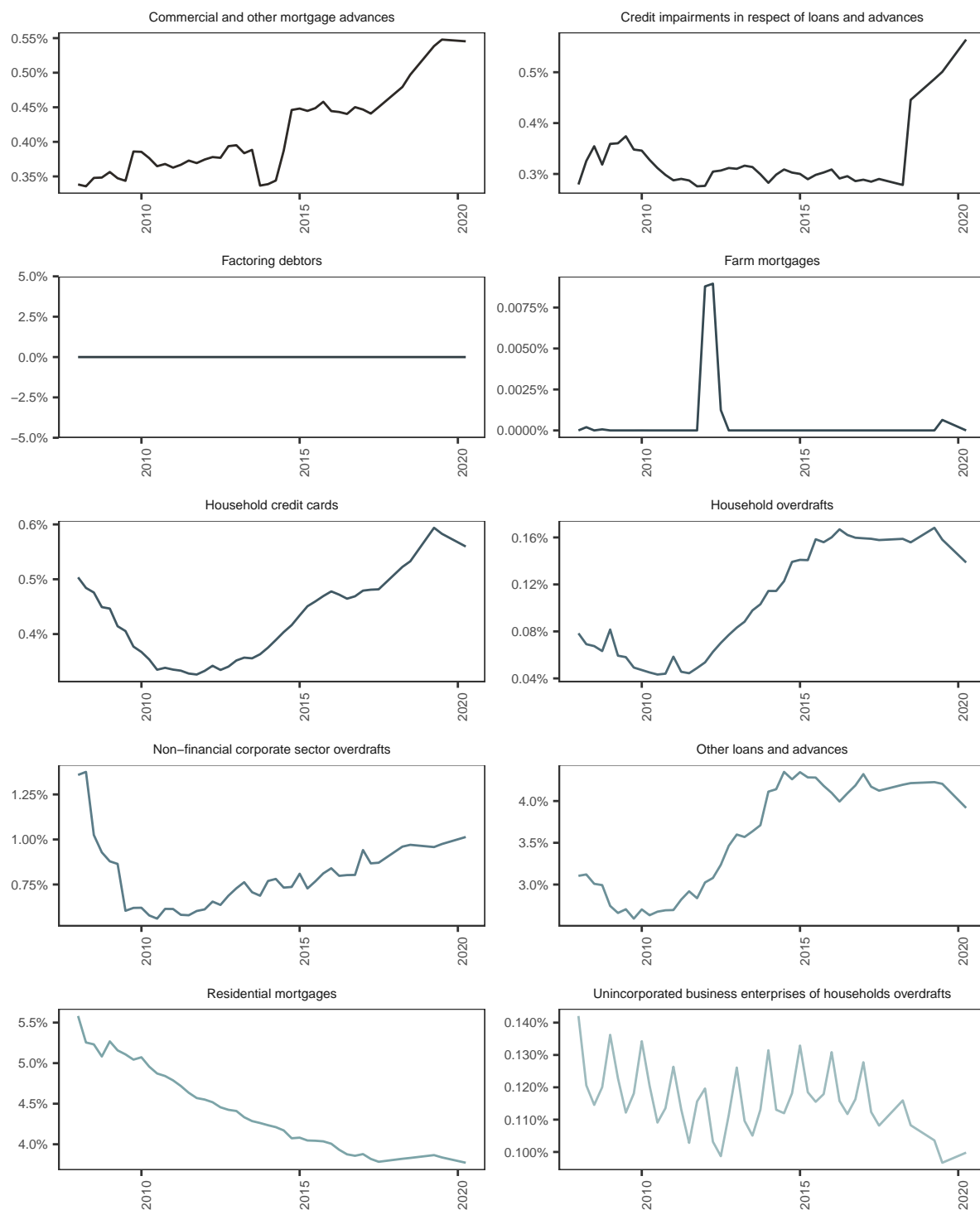


Figure 10: FNB lending as a percent of GDP. Source: South African Reserve Bank (2022)

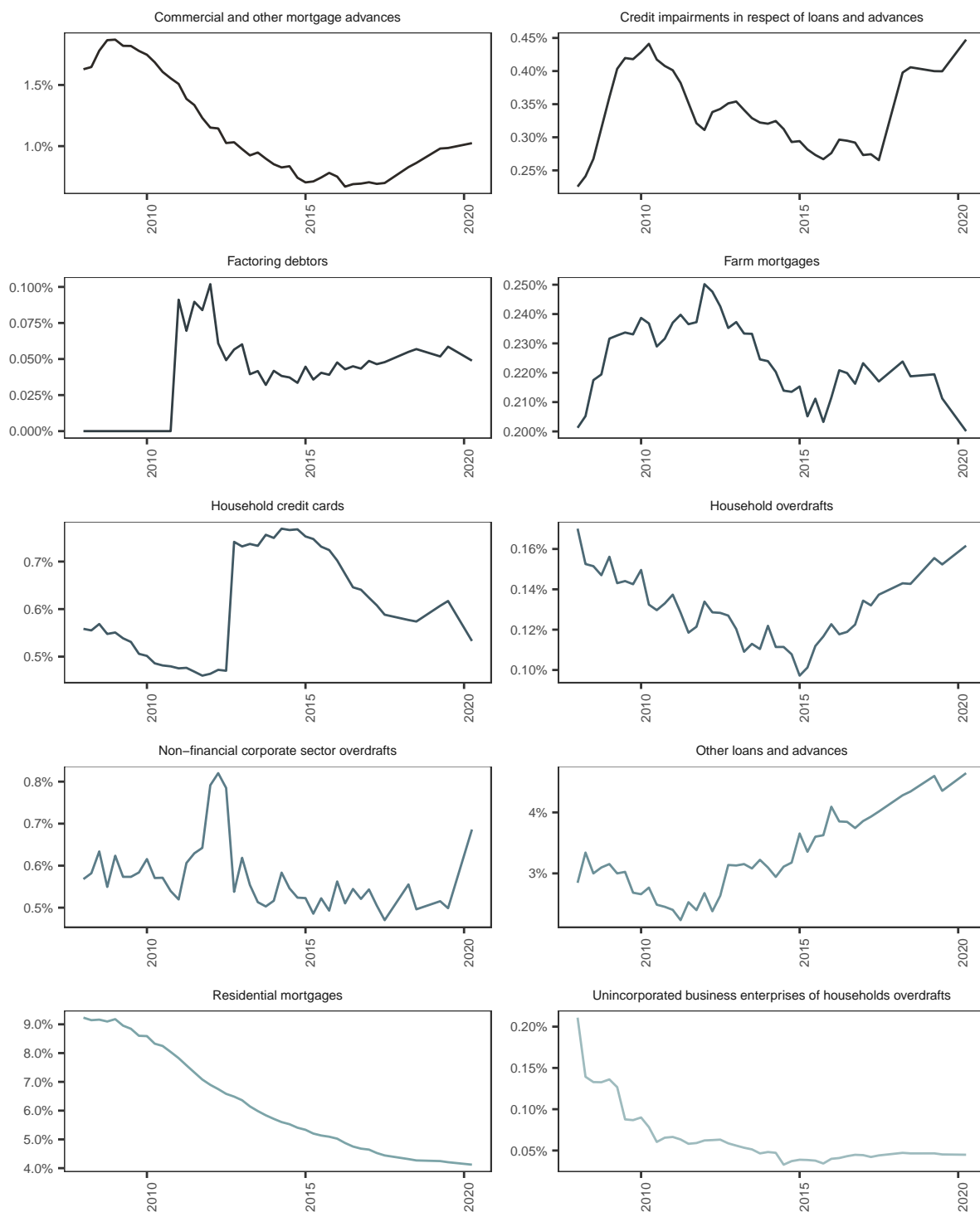


Figure 11: Absa lending as a percent of GDP. Source: South African Reserve Bank (2022)

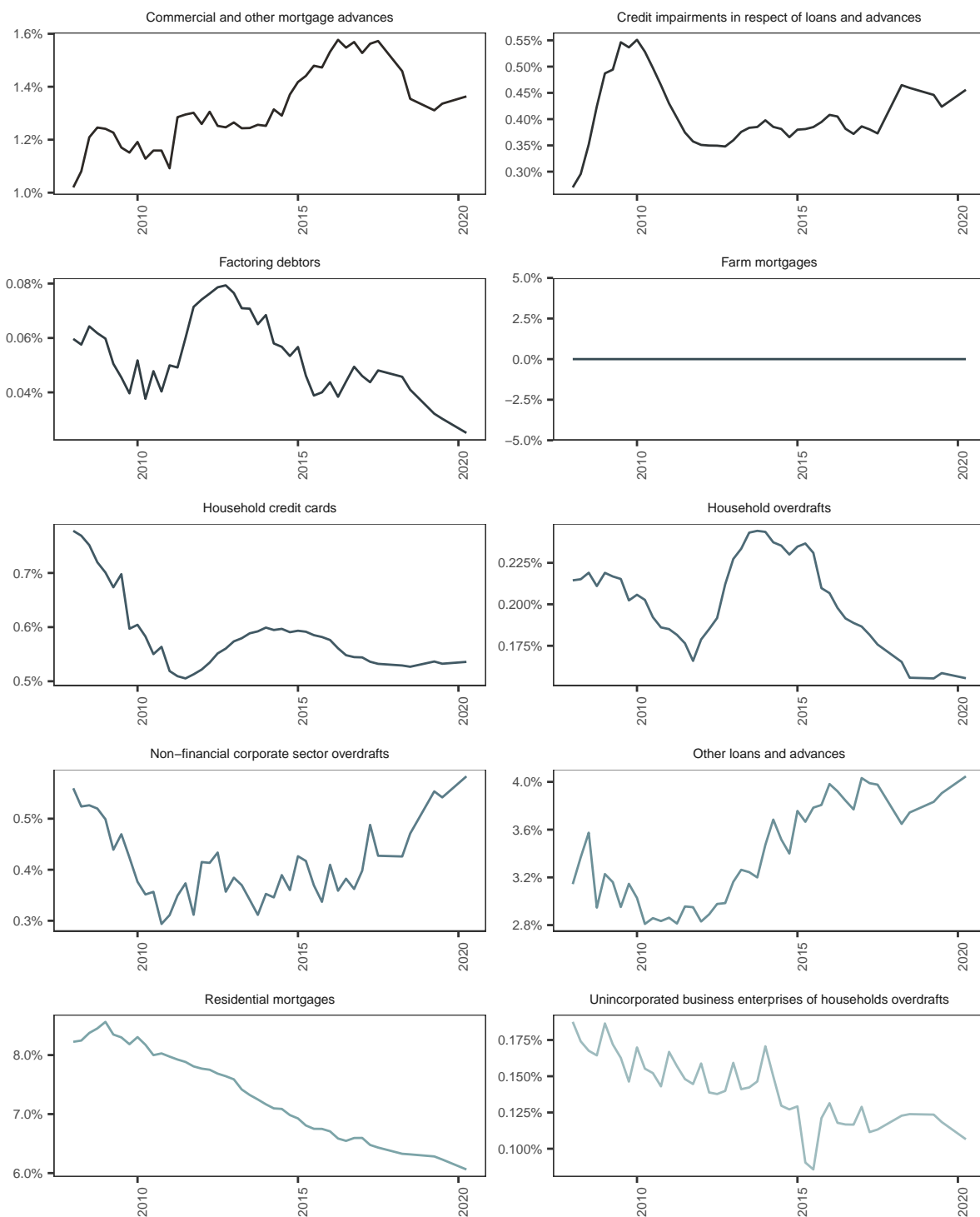


Figure 12: Standard bank lending as percent of GDP. Source: South African Reserve Bank (2022)

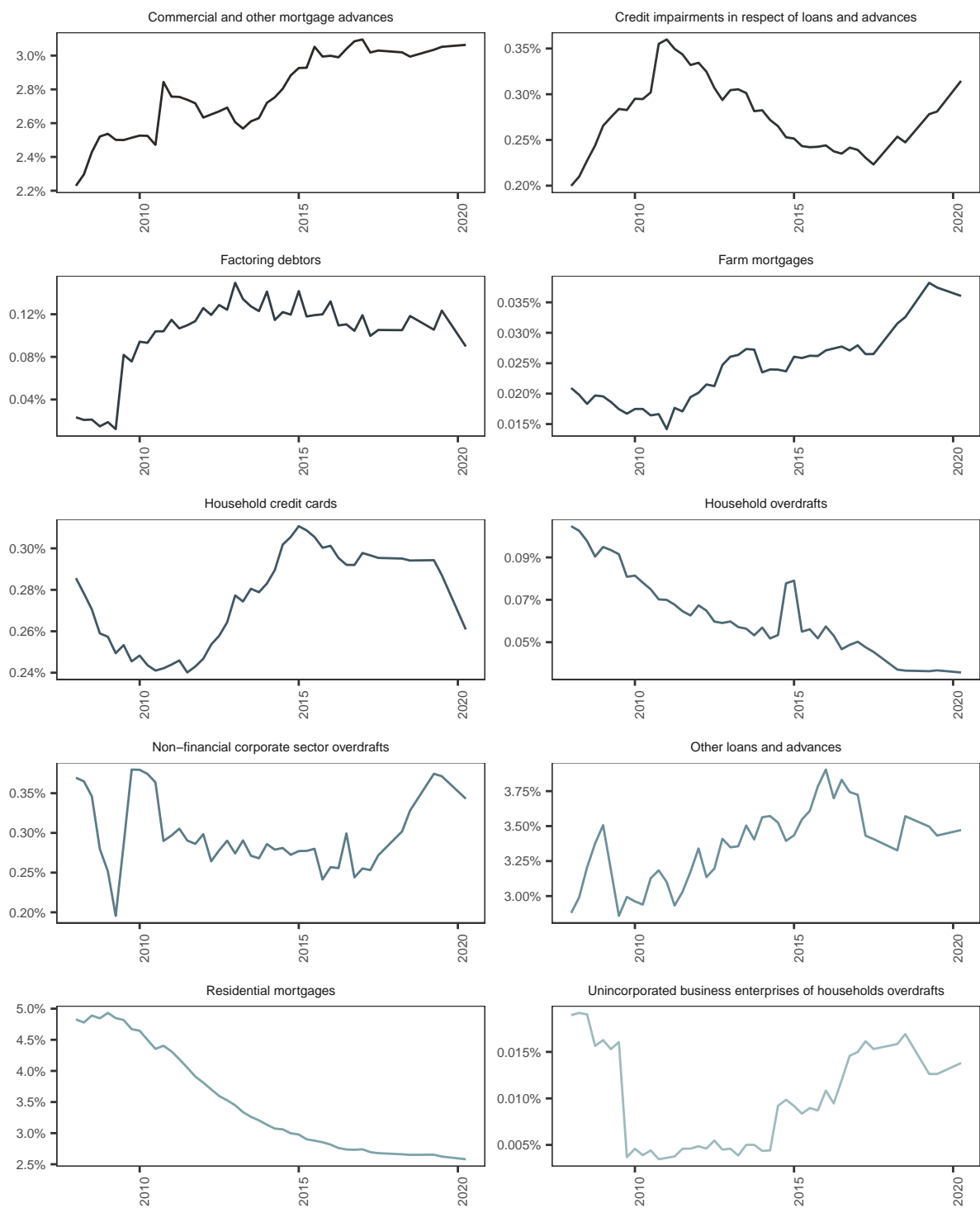


Figure 13: Nedbank lending as percent of GDP. Source: South African Reserve Bank (2022)

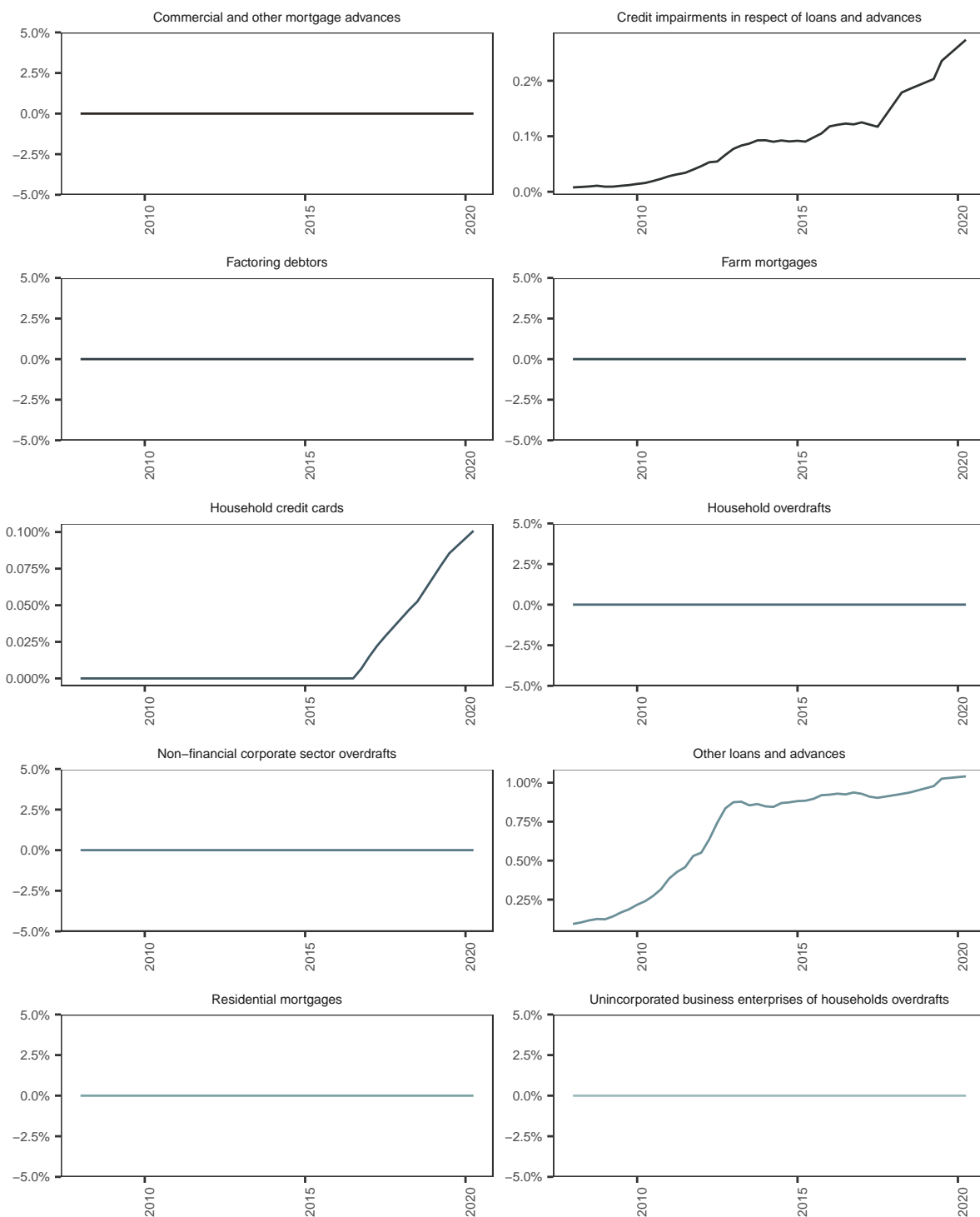


Figure 14: Capitec lending as percent of GDP. Source: South African Reserve Bank (2022)

8 Appendix: Detailed Literature Review

More detailed literature review

References

- Altunbas, Y, De Bondt, G and Marques-Ibanez, D. 2004. ‘Bank capital, bank lending, and monetary policy in the euro area’. *Kredit und Kapital* .
- Berrospide, J M and Edge, R M. 2010. ‘The effects of bank capital on lending: What do we know, and what does it mean?’ .
- Carlson, M, Shan, H and Warusawitharana, M. 2013. ‘Capital ratios and bank lending: A matched bank approach’. *Journal of Financial Intermediation* 22: 663–687.
- Gambacorta, L and Mistrulli, P E. 2004. ‘Does bank capital affect lending behavior?’ *Journal of Financial intermediation* 13: 436–457.
- Gambacorta, L and Shin, H S. 2018. ‘Why bank capital matters for monetary policy’. *Journal of Financial Intermediation* 35: 17–29.
- Jokipii, T and Milne, A. 2008. ‘The cyclical behaviour of european bank capital buffers’. *Journal of banking & finance* 32: 1440–1451.
- Kim, D and Sohn, W. 2017. ‘The effect of bank capital on lending: Does liquidity matter?’ *Journal of Banking & Finance* 77: 95–107.
- Osborne, M, Fuertes, A M and Milne, A. 2017. ‘In good times and in bad: Bank capital ratios and lending rates’. *International Review of Financial Analysis* 51: 102–112.
- Schwert, M. 2018. ‘Bank capital and lending relationships’. *The Journal of Finance* 73: 787–830.
- Tabak, B M, Noronha, A C and Cajueiro, D. 2011. ‘Bank capital buffers, lending growth and economic cycle: empirical evidence for brazil’, in *2nd BIS CCA Conference on “Monetary policy, financial stability and the business cycle*, Citeseer, 12–13.