**Codes for the Article “The potential impact of financial portability measures on mortgage refinancing: Evidence from Chile”, *Journal of International Money and Finance*, 2021, 117, 102455.**

**Author:** Carlos Madeira

These codes use the original sources of data to create all the analysis in the JIMF article.

All data files (.dta and .do) are in Stata 15.1 format. Data analysis was performed in a standard notebook with an Intel Core i7-4700HQ 2.40GHz processor with 16.0 GB of RAM and a Stata 15.1 MP-6 license.

Set of Codes 1 (Master file):

The “M\_HIPrenegociaciones\_OptionFormula.do” do file is the Master file that s all the sub-codes from beginning to end, replicating all the analysis in the paper.

Set of Codes 2 (Algorithms):

“mean\_wgts2.do” computes mean values of a variable for different groups using expansion factors. “lambert\_w.do" computes the Lambert function, "lambert\_w\_integral.do" computes the Lambert integral using a set of random points, "refinance\_npvKost.do" computes the net present value (NVP) cost K for the refinancing in the Agarwal et al. (2013) formula, "refinance\_Rlambda.do" calculates the lambda parameter for the probability of exogeneous refinancing in the ADL formula, "refinance\_ADLoption.do" calculates the lowest reduction in interest rate necessary for refinancing value with the ADL formula, "refinance\_ADLoptionMonthly.do" does the same but with monthly frequency parameters, "refinance\_PVbreakeven.do" calculate the Present Value of refinancing for borrowers using a break-even rule, "refinance\_PVgain.do" and "refinance\_PVgain2.do" calculate the Present Value of refinancing according to the ADL formula. The code "test.do" tests the algorithms and replicates some tables in Agarwal et al. (2013).

Set of Codes 3 (Labels):

“BankLabel.do”, “EFHBank\_CMFBankID.do”, “EFHBank\_CMFBankID2.do”, “HipInstitucionId.do” create labels for the identities of banks and the classification of banks, cooperatives, public mortgages, insurance companies and other lenders.

Set of Codes 4 (Format data):

“format\_EA" use the ECF survey to compute the Atkinson and Messy (2012) indexes of Financial Literacy: financial knowledge, financial behavior, financial attitudes, then it calculates the same indexes based on household observables in the EFH dataset. "format\_R\_tseries" computes Time series of bank interest rates for Chile. "format\_DFVP\_Ld.do" creates dummies for Mortgage default and dummies for Lender type using the EFH dataset. "format\_BancoIDtasa.do" formats the interest rates and bank ids for each wave of the EFH survey (2007 until 2017). "format\_EFH\_renegotiation" formats the variables for the EFH mortgage contracts terms and creates the renegotiation decision choice variables for the main home, each of the other properties, all other properties and all homes "compute\_Mrenegotiation" computes the ADL vatiables for each mortgage loan since the beginning of the contract for each household in all the EFH waves. "combine\_EFH\_SLO\_BalSheet.do" combines the panel bank time series from the Survey of Loan Officers for each mortgage contract in the EFH dataset. "EFH\_10\_11.do" and "EFH\_14\_17.do" computes the bank ids for the EFH waves 2010, 2011, 2014 and 2017 for each consumer loan and mortgage contract.

Set of Codes 5 (Regressions and analysis):

“analysis\_RenegHip\_ADL.do" is the main code that computes Tables 3, 4, 5 in the article plus Tables A.1, A.2, A.3 in the online appendix. Then creates the counterfactual data for Tables 6, 7 and 8.

“tables\_TaxR\_LawGains.do" computes Table A.2 in the article.

“tables\_efh\_ecf.do" creates Tables 1 and 2 in the article with the data summary description.

“RobChecks\_RenegHip.do" creates Tables A.4, A.5 and A.6 in the online appendix, then creates equivalent counterfactual data for Tables A.7, A.8 and A.9 in the online appendix.

“MPolicy\_counterfactual.do" creates Table 9 in the article with the Monetary Policy counterfactual exercises and the gains of renegotiation for households.

"Panel\_EFH.do" formats the Panel EFH data for consumer borrowers over time. “analysis\_CBankSwitching.do" uses the Panel EFH to create Tables A.10 and A.11 in the online appendix.