

Portland: Replication Instruction

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Overview

README.txt

This document describes the scripts in `portland.servus` (in order of the process in the `master.R` file). For replication, simply run `master.R`.

DATA PREPARATION `geocoding_api.R` - Codes Census tract based on address information in the Portland data `tidy_census_api.R` - Loads Census data and saves relevant variables `setup_portland.R` - Loads Portland data and saves in the `.RData` format (`analysis_info.Rdata` for all data, `financial_assistance_info.RData` for financial assistance programme only) `delinquency_measure.R` - Constructs delinquency-related variables: delinquency status and amount, shutoff status `financial_assistance_clean.R` - Constructs variables for various financial assistance programs: financial assistance and payment arrangement `merge_data.R` - Merge all data, saves `account_info_analysis.RData`

`data/analysis/analysis_info.Rdata` contains the raw data `data/analysis/account_info_analysis.RData` contains the data primarily used in the analysis - Note: this file is in the account level - Note: this file does not restrict to residential single family: `filter(ACCOUNT_CLASS_DFLT %in% c("RESSF", "ASST"))` to restrict to single family data `data/analysis/delinquency_status/RData` contains the panel data on bills and payments

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DESCRIPTION

`descriptive_statistics.R` - Create tables for basic descriptive statistics and overview of the data (account types) `descriptive_statistics_graph.R` - Create graphs for basic descrip-

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tive statistics (pie charts) `descriptive_statistics_resmf.R` - Create tables for basic descriptive statistics for residential multi-family units only `descriptive_statistics_payment.R` - Create tables/graphs for the payment arrangement programme - Note: this file also loads `financial_assistance_info.RData` `descriptive_statistics_linc.R` - Create tables/graphs for the financial assistance programme `descriptive_statistics_did.R` - Create tables for the difference-in-differences exercise

Dropping

- Drop any monthly payment bill that occurred at the end of the sample period