Software used: Stata MP 18, with amoeba installed.

To get amoeba installation information, type the following on the Stata command line:
net describe sg71, from(http://www.stata.com/stb/stb38)

Input datasets and data sources:

- Puout`year'a.csv files:
  - Institute for Museum and Library Services: https://www.imls.gov/research-evaluation/data-collection/public-libraries-survey
- pupld`year'a.csv files:
  - Institute for Museum and Library Services: https://www.imls.gov/research-evaluation/data-collection/public-libraries-survey
- DECENNIALSF12010.P12_data_with_overlays_2021-12-13T133605.csv:
  - https://www.census.gov/data/developers/data-sets/decennial-census.2010.html#list-tab-517985795
- ACSST5Y2018.S1901_data_with_overlays_2022-04-11T115813.csv:
  - https://www.census.gov/newsroom/press-kits/2019/acs-1year.html
- library_visits_circ.csv:
  - Collected manually from various editions of the Digest of Education Statistics (https://nces.ed.gov/programs/digest/). Exact urls are listed in the csv file.

The programs are set up according to the following data structure.

- The _main.do file is in the parent directory. This file lists all programs to be run for the paper, and files are named in ways that link them to their respective tables, figures, paper sections, or footnotes.
- The do files, besides _main.do, are in the "dofiles" directory (patent\dofiles).
- The input datasets are in the "data" subdirectory (parent\data)

To run the programs as they are, the datasets need to be placed into a "data" subfolder, and the do files in a "dofiles" subfolder. To change these folders, change the global paths on lines 10 and 11 of the _main.do file.

To run the code, first open the _main.do file. This file (1) sets the working directory, (2) creates the necessary sub-folders, and (3) calls to sub-programs that create the tables, figures, and numbers in the text.

Do file	**Input(s)**	**Output**
********** ** Data creation **********		
create_maindata	Puout`year'a.csv, pupld`year'a.csv	clean\main_data.dta
create_age_place	DECENNIALSF12010.P12_data_with_overlays_2021-12-13T133605.csv	clean\age_place_data.dta
create_income_place	ACSST5Y2018.S1901_data_with_overlays_2022-04-11T115813.csv	clean\income_place_data.dta
********** ** Descriptive estimates **********		
fig1_library_visit_time_series	library_visits_circ.csv	fig1_library_circ_visits.pdf
table1_summary_stats	clean\main_data.dta	table1_sumstats.tex
table2_causal_demand_FE	clean\main_data.dta	table2_circ_FE.tex
table3_causal_demand_IV	clean\main_data.dta	table3_circ_IV.tex
table4_causal_visits	clean\main_data.dta	table4_visits_causal.tex output\causal_visits
********** ** Main analysis & counterfactuals **********		
table5_logit_demand	clean\main_data.dta	table5_nested_logit_demand
setup_t6_counterfactual_main	clean\main_data.dta	intermediate\collect_pdouble
table6_counterfactual_main	output\causal_visits intermediate\collect_pdouble.dta clean\main_data.dta	
setup_f2_counterfactual_income	clean\main_data.dta clean\income_place_data.dta	intermediate\collect_pdouble_income
setup_f2_counterfactual_kids	clean\main_data.dta clean\age_place_data.dta	intermediate\collect_pdouble_kids
fig2_counterfactual_heterogeneity	output\causal_visits intermediate\collect_pdouble_income	fig2_counterfactual_income fig2_counterfactual_kids

	intermediate\collect_pdouble_kids clean\main_data.dta	
********** ** Numbers in the text **********		
text_s31_staffing_costs	clean\main_data.dta clean\income_place_data.dta	Holdings costs associated with staffing (section 3.1)
text_s41_causal_theta_se	clean\main_data.dta	Std. errors for thetas from causal demand (section 4.1)
text_s54_calculate_thetas	clean\main_data.dta	data\temp\thetas.dta Distribution of thetas (section 5.4)
text_s61_counterfactual_details	output\causal_visits intermediate\collect_pdouble.dta clean\main_data.dta	Sections 6.0 & 6.1: - Share of libraries solving to observed holdings. - Shares of libraries solving to corners. - ΔCS ratios for high vs. low theta
setup_text_s62_counterfactual_staff	clean\main_data.dta	intermediate\collect_pdouble_staff.dta
text_s62_counterfactual_staff	output\causal_visits intermediate\collect_pdouble_staff.dta clean\main_data.dta	Average ΔCS ratios when including staff costs in book prices (section 6.2)
setup_text_s62_counterfactual_sigma	clean\main_data.dta	intermediate\collect_robustness_sigma.dta
text_s62_counterfactual_sigma	output\causal_visits intermediate\ collect_robustness_sigma.dta clean\main_data.dta	Average & min ΔCS for varying σ_1 and σ_2 values (section 6.2)
text_fn23_bookshares	pupld`year'a.csv	Footnote 23
text_fn27_theta_income	clean\main_data.dta clean\income_place_data.dta	Footnote 27
text_fn30_visits_decline	clean\main_data.dta	Footnote 30