Programs for Industrial Revolution in Services

October 1, 2022

A Data Preparation

LBD Cleaning (in data_commons/lbd_code/)

- lbd_0_ch_ind.sas
- lbd_0_m_lbd_basic.sas
- lbd_1_raw_fk_aux.sas
- lbd_1_raw_fk_flag.sas
- lbd_1_raw.sas
- lbd_2_clean.sas
- lbd_2_runif.sas
- lbd_m_merge_ch_ind_sect.sas
- lbd_m_merge_runif.sas
- README.html
- README.md

Econ Census Cleaning
In /import/

- 01_pull_append_EC.do
- 02_pull_var_names_labels.do
- 03_pull_append_wanted_vars.do
- 06_aux_pull.do

In /build/

- 01a_append_ECs_fn.do
- 01b_call_append_ECs.do

Crosswalk:

- cw_geo_msa.do
    - Outputs cw_geo_fips_msa and msa1983.csv
- cw_ind_sect_1_jsung.do
- cw_ind_sect_2_fk_imp.do
    - Outputs cw_ind_sect_fk_imp.csv. Used in lbd_m_merge_ch_ind_sect.sas
- cw_geo_czone.do
- cw_geo_msa_czone.do
- cw_geo_state_abb.R
- cw_geo_zip_import.R
- cw_ind_1_jsung.do
- cw_ind_1_jsung_fix.do
- cw_ind_2_fk_imp.do
- cw_ind_2_naics_imp.do

- cw_ind_2_sic_imp.do
- cw_ind_3_fk_naics12.do
- cw_ind_3_fk_naics12_imp.do
- cw_ind_3_names.R
- cw_ind_fk_1_raw.do
- cw_ind_fk_2_comp.do
- cw_ind_str.do

General Helper Code Files (in hsieh_project/code_0_general/)

- data_0_firm_local.sas
- m_unit_status.sas
- m_sum_by_stat.sas
- m_rank_by_var.sas
- m_perc_by_var.sas
- f_lpolyci.do
- f_reg.do
- f_rounding.do
- disc_0_lbd.sas

Project Helper Files (in hsieh_project/proj_201809/code_0_general/)

- p_weight.do

Reading LBD:

- ec_1_lbd_merge.sas
- data_0_read_raw.sas
- m_read.sas
- m_read_sales.sas
- data_1_save_all.sas
- 0_program_seq.bash

Crosswalks in /code_1_data/

- cw_ind_aux.do
- cw_geo_msa_czone.do

Data Aggregation of Industry (code_1_data/:

- data_0_ind_sum_core.sas
- data_1_agg_sum.sas
- data_1_ind_sum.sas
- data_2_ind_sum_add.do:
- data_1_sales_ind_sum.sas:
- data_2_sales_ind_sum_add.do:
- data_3_ind_sum_d_sel.do

City-industry level analysis:

- data_0_cityind_sum_core.sas
- data_1_cityind_sum.sas
- data_1_cityind_sum_msa_czone.sas
- data_1_cityind_sum_t1.sas
- data_1_cityind_top_mkt_sum.sas
- data_2_cityind_all_sel.do
- data_1_sales_cityind_sum.sas:
- data_1_sales_cityind_top_mkt_sum.sas
- data_1_sales_mgrow.sas
- data_1_sales_new_ind_sh.sas
- data_2_sales_cityind_sel.do
- data_2_sales_cityind_top_mkt_sel.do

Job Creation:

- data_0_jobcr.sas
- data_1_jobcr_0.sas
- data_1_jobcr_msa.sas:
- data_1_jobcr_msa_czone.sas
- data_1_jobcr_msa1983.sas
- data_1_jobcr_fips.sas
- data_1_jobcr_czone.sa

Market-related analysis

- data_1_mkt_ind_sum.sas
- data_1_mkt_ind_mktsize.sas

Auxiliary-related analysis

- data_1_aux_ind_sum.sas
- data_1_aux.sas
- data_1_aux_ind_sum_top.sas

Stats for top firms:

- data_1_top_ind_firms_agg_sum.sas

Others:

- data_1_fknaics_sum.sas
- data_0_fknaics_sum.sas

B. Programs for tables and figures

Figure 1: Aggregate change in markets per firm, 1977-2013
- median industry: Mkt_d_sect_sum.do
- top and bottom quintile industry: mkt_d_sect_quintile.do

Table 1: Change in markets per firm by one-digit sector, 1977-2013
- Mkt_d_sect_sum.do

Figure 2: Distribution of change in markets per firm by sector
- mkt_d_sect_quintile.do

Figure 3 and Table 2: Change in total employment in industry vs. change in markets per firm
- mkt_d_ind_sum.do

Figure 4 and Table 3: Change in employment in "auxiliary" establishments vs. change in markets per firm
- mkt_d_ind_aux_imp.do

Figure 5 and Table 4: Change in markets per firm of top firms vs. all firms in industry
- mkt_d_ind_vs_top_mkt.do

Table 5: Regression of change employment and sales concentration vs. change markets per firm:
- Mkt_d_ind_con.do

Figure 6 and Table 6: Change in number of markets and average size of top firms vs. change in employment share of top firms
- Out_ind_deco.do

Table 7: Change in size of MSA of top firms vs. employment share of top firms
- Out_ind_deco.do
- mktsize_d_ind_top.do

Figure 7: Employment share of top 10% firms in each MSA in 1977 and 2013
- Out_cind_con_city_emp.do
- city_emp_top_mkt_firms.do

Figure 8: Change in local concentration, 1977-2013, by MSA size in 1977
- Out_cind_con_d_city_emp.do
- Out_cind_con_d_city_emp_sales.do

Figure 9: Employment and sales share of new industries
- city_new_ind_emp_share_top_mkt.do
- city_new_ind_sales_share_top_sales.do

Figure 10: Local employment growth by initial city size
- out_city_growth.do

Figure 11: Job destruction rate by city size

- Out_city_jobcr_city_emp.do
- out_city_jobcr_city_emp_data.do

Figure 12: Local missing growth by city size

- out_mgrow2_1_c_emp.do
- out_mgrow2_2_mgrow.do
- out_mgrow2_3_fig_sum.do
- city_mgrow_sales.do

Other Relevant Output Files (in code_2* folders)

- mkt_d_ind_0.do
- sv_weights.do