Wellhausen and Zhu. "Exiting Russia." *APSR*.

Codebook

1. **bvd**: Orbis BvD ID.
2. **bvd_name**: Orbis firm name.
3. **bvdname_clean**: Cleaned firm name (basis for matching).
4. **agree_2017_21**: UNGA voting similarity score (average, 2017–2021).
5. **consumer_oriented_3digit_mean**: = 1 if advertising spending intensity is above the mean; 0 otherwise.
6. **consumer_oriented_3digit_median**: = 1 if advertising spending intensity is above the median; 0 otherwise.
7. **cyprus**: = 1 if the home state is Cyprus; 0 otherwise.
8. **dtt**: = 1 if the home state has a double taxation treaty with Russia; 0 otherwise.
9. **econtreaty_count**: Number of economic treaties in effect between the home state and Russia.
10. **eu**: = 1 if the home state is an EU member; 0 otherwise.
11. **exit**: = 1 if the firm exited by the end of the study period; 0 otherwise.
12. **exit_f2d**: = 1 if the exit is foreign-to-domestic; 0 otherwise.
13. **exit_f2f**: = 1 if the exit is foreign-to-foreign; 0 otherwise.
14. **exit_inactive**: = 1 if the firm became inactive by the end of the study period; 0 otherwise.
15. **exit_removed**: = 1 if the firm's BvD ID was removed by the end of the study period; 0 otherwise.
16. **fastock_byoutput**: Fixed asset intensity (stock/output).
17. **ff_Durbl**: Consumer durables (Fama–French industry classification).
18. **ff_Enrgy**: Oil, gas, and coal (Fama–French industry classification).
19. **ff_NoDur**: Consumer nondurables (Fama–French industry classification).
20. **ff_Num**: Fama–French industry index.
21. **ff_Num2**: Alternative Fama–French industry index.
22. **ff_Telcm**: Telecommunications (Fama–French industry classification).
23. **ff_Utils**: Utilities (Fama–French industry classification).
24. **ff_consumergoods**: Consumer-oriented industries (consumer durables + consumer nondurables).
25. **ff_hfa12only**: = 1 for Energy, Utilities, and Telecommunications (Fama–French); 0 otherwise.
26. **foreign_by_guo**: = 1 if the foreign-directed firm is classified via the GUO50 pathway; 0 otherwise.
27. **fs_stk_go_dum_median**: = 1 if fixed asset intensity (stock/output) is above the median; 0 otherwise.
28. **gdppc_log**: Home state GDP per capita (average, 2017–2021; logged).
29. **guo_bvd**: Orbis BvD ID of the firm's GUO50.
30. **guo_home**: Home state of the firm's GUO50.
31. **guo_iso3**: ISO-3 country code of the GUO50's home state.
32. **guo_miss**: = 1 if the GUO50 is not identified; 0 otherwise.
33. **guo_name**: Name of the GUO50.
34. **home**: Home state of the foreign-invested firm.

35. **home_index**: Numeric index for the home state.
36. **home_iso3**: ISO-3 country code of the home state.
37. **iia**: = 1 if the home state has an international investment agreement with Russia; 0 otherwise.
38. **inactive**: = 1 if the firm was inactive in the pre-invasion period; 0 otherwise.
39. **libdem_vdem**: V-Dem liberal democracy score of the home state (average, 2017–2021).
40. **listed_nonRU_guo50**: = 1 if the GUO50 is listed outside Russia; 0 otherwise.
41. **listed_nonRU_lfsh**: = 1 if the largest foreign shareholder is listed outside Russia; 0 otherwise.
42. **multiple_fsh**: = 1 if there is more than one foreign direct shareholder; 0 otherwise.
43. **multiple_homes**: = 1 if the largest foreign shareholder's home state differs from the GUO50's; 0 otherwise.
44. **naics2022_2digit**: Two-digit NAICS (2022) industry code.
45. **naics2022_2digit_shorttext**: Two-digit NAICS (2022) industry description (short).
46. **naics2022_2digit_text**: Two-digit NAICS (2022) industry description.
47. **naics2022_2digit_v2**: Aggregated two-digit NAICS categories (31–33, 44–45, 48–49).
48. **nslist**: = 1 if the foreign-invested firm or a corporate family member appears on a name–praise–shame list; 0 otherwise.
49. **nslist_praise**: = 1 if the firm is named and praised; 0 otherwise.
50. **pta**: = 1 if the home state has a preferential trade agreement with Russia; 0 otherwise.
51. **robust_exprop**: = 1 if the firm is linked to expropriation during the study period; 0 otherwise.
52. **ru_dependence_guo**: Number of Russian subsidiaries owned by the GUO50.
53. **ru_dependence_lfsh**: Number of Russian subsidiaries owned by the largest foreign shareholder.
54. **ruscontrol**: = 1 if a Russian entity is the majority shareholder; 0 otherwise.
55. **russtrategic**: = 1 if the firm is classified as operating in a Russian strategic industry (4-digit).
56. **size**: Firm size category (1 = small, 2 = medium, 3 = large, 4 = very large).
57. **soe**: = 1 if the firm has at least one non-Russian state shareholder; 0 otherwise.
58. **taxhaven**: = 1 if the home state is classified as a tax haven; 0 otherwise.
59. **tradeflow_log**: Bilateral trade between the home state and Russia (average, 2017–2021; logged).
60. **uk**: = 1 if the home state is the UK; 0 otherwise.
61. **ukraine**: = 1 if the home state is Ukraine; 0 otherwise.
62. **unfriendly**: = 1 if the home state is designated as "unfriendly" by Russia; 0 otherwise.
63. **unfriendly_bvd**: = 1 if the largest foreign shareholder's home state is designated as unfriendly by Russia; 0 otherwise.
64. **unfriendly_guo**: = 1 if the GUO50's home state is designated as "unfriendly" by Russia; 0 otherwise.
65. **yrsinrus**: Years since incorporation in Russia.