

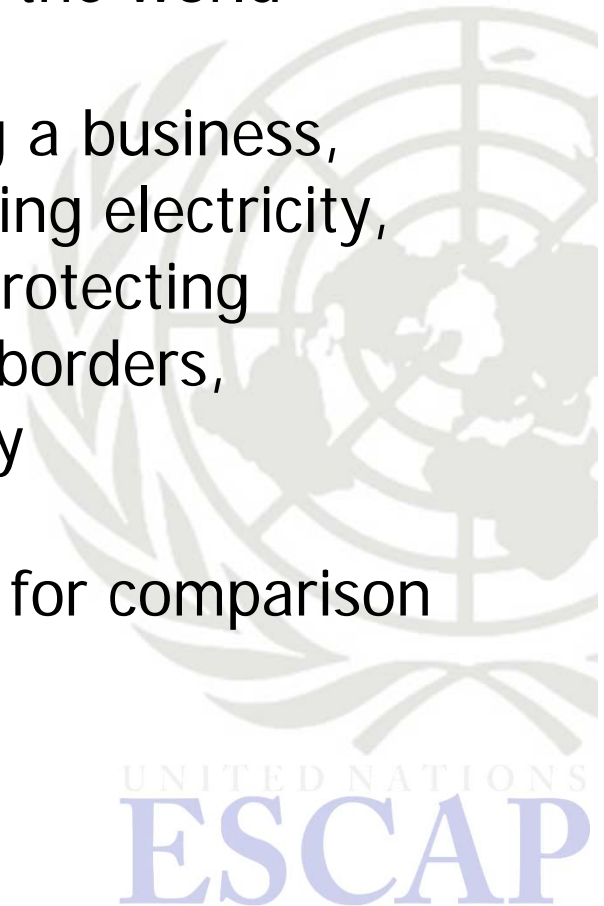
Trade Facilitation Variables for Gravity Research

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Potential variables for TF? – Doing Business

- Doing Business ranks the business regulation and environment in 185 economies around the world
- Ranking is based on 10 topics: starting a business, dealing with construction permits, getting electricity, registering properties, getting credit, protecting investors paying taxes, trading across borders, enforcing contract, resolving insolvency
- Distance to frontier provides the score for comparison across years
- source: <http://www.doingbusiness.org>




Potential variables for TF? – Doing Business



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Economy Rankings

Economies are ranked on their ease of doing business, from 1 – 185. A high ranking on the ease of doing business index means the regulatory environment is more conducive to the starting and operation of a local firm. This index averages the country's percentile rankings on 10 topics, made up of a variety of indicators, giving equal weight to each topic. The rankings for all economies are benchmarked to June 2012.

EXPLORE ECONOMY DATA 

Ranking Methodology

Explanation of how the [Ease of Doing Business Index](#) (PDF) its sub-indices and the distance to frontier measures are calculated.

SUBNATIONAL = Subnational *Doing Business* ranking data available.

• Rankings by region: or
 • Rankings by income: or
 • Rankings by population:

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Economy	Ease of Doing Business Rank ▲	Starting a Business	Dealing with Construction Permits	Getting Electricity	Registering Property	Getting Credit	Protecting Investors	Paying Taxes	Trading Across Borders	Enforcing Contracts	Resolving Insolvency
Singapore	1	4	2	5	36	12	2	5	1	12	2
Hong Kong SAR, China	2	6	1	4	60	4	3	4	2	10	17

Potential variables for TF? – Doing Business





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Distance to Frontier

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This measure shows the distance of each economy to the "frontier," which represents the highest performance observed on each of the indicators across all economies included in *Doing Business* since each indicator was included in *Doing Business*. An economy's distance to frontier is indicated on a scale from 0 to 100, where 0 represents the lowest performance and 100 the frontier. For example, a score of 75 in DB 2012 means an economy was 25 percentage points away from the frontier constructed from the best performances across all economies and across time. A score of 80 in DB 2013 would indicate the economy is improving. In this way the distance to frontier measure complements the yearly ease of doing business ranking, which compares economies with one another at a point in time. [Read about this measure \(PDF, 79KB\)](#).

Filter by topic: 

Overall

 Excel

Economy	DB 2004	DB 2005	DB 2006	DB 2007	DB 2008	DB 2009	DB 2010	DB 2011	DB 2012	DB 2013 ▼
Singapore	90.2	90.2	90.4	90.6	90.9	91.7	91.7	91.7
New Zealand	89.6	89.5	89.5	89.7	89.8	90.1	90.1	90.5
Hong Kong SAR, China	84.0	85.8	85.8	87.2	89.1	89.5	89.5	89.5
United Kingdom	83.2	83.2	83.1	83.0	84.8	85.7	85.8	85.8
Denmark	79.8	81.0	82.9	82.9	83.0	84.4	84.6	84.7
Ireland	83.8	84.1	84.1	84.2	84.7	84.3	83.8	84.6

Potential variables for TF? – Logistic Performance Index

- Logistics Performance Index (LPI) indicates the level of logistic friendliness in 155 countries
- LPI ranking is based on 6 topics: customs, infrastructure, international shipments, logistics competence, tracking and tracing and timeliness
- source: <http://lpiurvey.worldbank.org>



Potential variables for TF? – Logistic Performance Index

DATA TABLE

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Country	Year	LPI Rank	LPI Score	Customs ?	Infrastructure ?	International shipments ?	Logistics competence ?	Tracking & tracing ?	Timeliness ?
Singapore	2012	1	4.13	4.10	4.15	3.99	4.07	4.07	4.39
Hong Kong, China	2012	2	4.12	3.97	4.12	4.18	4.08	4.09	4.28
Finland	2012	3	4.05	3.98	4.12	3.85	4.14	4.14	4.10
Germany	2012	4	4.03	3.87	4.26	3.67	4.09	4.05	4.32
Netherlands	2012	5	4.02	3.85	4.15	3.86	4.05	4.12	4.15
Denmark	2012	6	4.02	3.93	4.07	3.70	4.14	4.10	4.21
Belgium	2012	7	3.98	3.85	4.12	3.73	3.98	4.05	4.20
Japan	2012	8	3.93	3.72	4.11	3.61	3.97	4.03	4.21
United States	2012	9	3.93	3.67	4.14	3.56	3.96	4.11	4.21
United Kingdom	2012	10	3.90	3.73	3.95	3.63	3.93	4.00	4.19
Austria	2012	11	3.89	3.77	4.05	3.71	4.10	3.97	3.79
France	2012	12	3.85	3.64	3.96	3.73	3.82	3.97	4.02
Sweden	2012	13	3.85	3.68	4.13	3.39	3.90	3.82	4.26
Canada	2012	14	3.85	3.58	3.99	3.55	3.85	3.86	4.31
Luxembourg	2012	15	3.82	3.54	3.79	3.70	3.82	3.91	4.19
Switzerland	2012	16	3.80	3.88	3.98	3.46	3.71	3.83	4.01
United Arab Emirates	2012	17	3.78	3.61	3.84	3.59	3.74	3.81	4.10
Australia	2012	18	3.73	3.60	3.83	3.40	3.75	3.79	4.05
Taiwan	2012	19	3.71	3.42	3.77	3.58	3.68	3.72	4.10
Spain	2012	20	3.70	3.40	3.74	3.68	3.69	3.67	4.02
Korea, Rep.	2012	21	3.70	3.42	3.74	3.67	3.65	3.68	4.02

Potential variables for TF? – LSCI

- Liner shipping connectivity Index (LSCI) measures the level of seaport connectivity to the global networks in 159 countries
- LSCI ranking is based on 4 topics: numbers of ships, total container-carrying capacity of ships, maximum vessel size, number of services and number of companies that deploys container ships on services to and from a country's port
- source: <http://data.worldbank.org/indicator/IS.SHP.GCNW.XQ>



https://www.yunbaogao.cn/report/index/report?reportId=5_6950

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Variables for TF? – LSCI

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Activity index (maximum 100)

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Activity index (maximum 100) captures how well countries are connected to global shipping networks. It is based on data from the United Nations Conference on Trade and Development (UNCTAD) based on five components of the index: the number of container ships, their container-carrying capacity, maximum vessel size, number of container ships deployed in a country's ports. For each component a country's index value is calculated for each component in 2004, the five components are averaged for each country, the average is multiplied by 100 and the index value for 2004 is set to 100. The index generates a value of 100 in 2004. The underlying data come from Containerisation International

United Nations Conference on Trade and Development, Review of Maritime Transport 2010.

TABLE MAP GRAPH

1980-1982 1983-1987 1988-1992 1993-1997 1998-2002 2003-2007 2008-2012

Country name 2008 2009 2010 2011

Country name	2008	2009	2010	2011
Afghanistan				
Albania	2.0	2.3	4.3	4.5
Algeria	7.8	8.4	31.4	31.1
American Samoa	6.4	4.6	4.8	4.6