



### Quick Overview



**Overall Score:** 46 out of 100. To compare, top-placed New York City had a score of 62.9

Overall Rank: 8th of 50 cities measured

On the dimensions measured, Singapore does particularly well on policies that can help impact a supportive *culture* for women entrepreneurs and provide *capital* including high scores in:

- √ Female mayors in the last three terms
- ✓ Being relatively safe (low crime and worry of being attacked)
- Number of city level organizations specifically for women entrepreneurs or businesswomen
- % of articles about "successful women entrepreneurs or businesswomen" in that city
- % of VC funds given to businesses with at least 25% female executives.
- √ Access to open and flexible technology

Singapore falls right behind Beijing and Shanghai for having the highest female LFPR at 60.4%. Singapore does not have a policy for "equal remunerator for work of equal value", it is important to note that only 3 of the 11 Asian cities do. The city, among the rest of the Asian cities, does have a policy for paid maternity leave and it's among the majority for having paid paternity leave policy.

#### Subpillar Rankings

Pillar	Sub Pillar	Singapore
Capital	Gender Proportion in Funding	12
	Value and Frequency of funding	11
	Women's Capital Base	8
Culture	Access to Mentors & Role Models	24
	Attitudes & Expectations	1
	Policy	28
Markets	Access	28
	Cost	6
	Policy	34
	Size	21
Talent	Access to Qualified Personnel	14
	Women's Skill & Experience	22
Technology	Connected	27
	Cost	27
	Policy	5



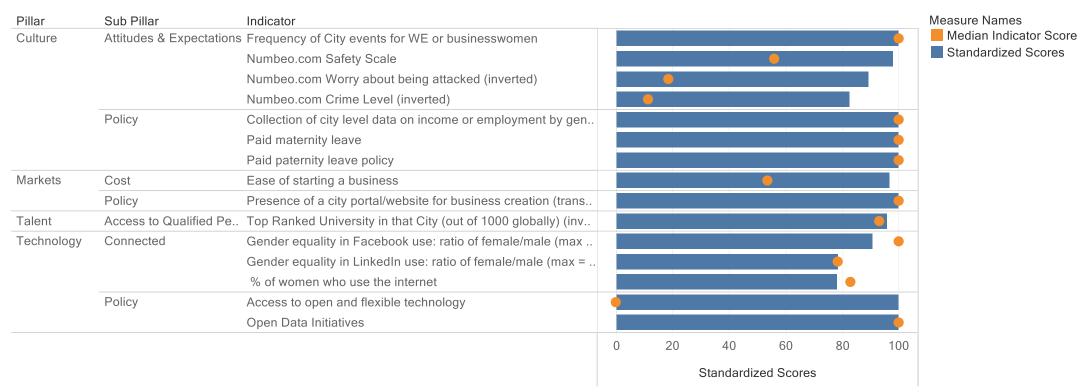


### Areas of Strength



Indicators where Singapore scores it's most points are shown in the chart below. Note in particular that Singapore scores well above the median in the area of safety and security, ease of starting a business and access to open and flexible technology.

Top 15 Indicators









Singapore ranked relatively lower in the areas of *markets* and *talent*. While some of this is due to factors such as population and the presence of global universities some represent areas of opportunity where Singapore can make significant progress for women entrepreneurs.

Indicator	% of max score	
Government goals for WOB procurement	0%	
Does the city collect use of technology by gender	0%	
Private sector – corporate vendor programs that try to get women owned businesses as vendors (Weconnect International)	0%	
Policy for "equal remuneration for work of equal value" (fair pay)	0%	
Policy for "nondiscrimination based on gender in hiring"	0%	
Amount Raised on Crowdfunding Sites	2%	
Number of female founders or executives in 2nd round or higher funding round in the city	4%	
Number of female leaders of major city business associations	5%	
Presence of role models: # of globally recognized successful WE	6%	
Total Projects on Crowdfunding Sites	7%	
Value of VC funds given to businesses with at least 25% female executives	10%	
Ratio of positive to negative tweets about women	10%	
Number of VC firms with greater than 20% female partners	12%	
Most active Corpoate VC Firms (top 25)	13%	
Number of Women founded VC firms	13%	
Entrepreneurial Network (population with entrepreneurial experience)	13%	
Number of top ranked global universities in city		
City Population	15%	



### Other Areas to Improve



Of the 15 indicators where Singapore scores its lowest points, only 2 are well below the median score. For the two where they are below the median they are also well below the benchmark.

#### Lowest 15 Indicators

Pillar	Sub Pillar	Indicator							Measure Names
Capital	Value and Frequency of	Most active Corpoate VC Firms (top 25)							Median Indicat
	funding	Number of female founders or executives in 2nd round or higher fun							Standardized S
		Number of VC firms with greater than 20% female partners							
		Value of VC funds given to businesses with at least 25% female exe							
	Women's Capital Base	Amount Raised on Crowdfunding Sites							
		Total Projects on Crowdfunding Sites							
Culture	Access to Mentors & Role	Number of female leaders of major city business associations							
	Models	Presence of role models: # of globally recognized successful WE							
	Attitudes & Expectations	Ratio of positive to negative tweets about women							
	Policy	Policy for "equal remuneration for work of equal value" (fair pay)						•	
		Policy for "nondiscrimination based on gender in hiring"							
Markets	Cost	Cost of Living (inverted)							
	Policy	Government goals for WOB procurement	•						
		Private sector - corporate vendor programs that try to get women ow	•						
Technology	Policy	Does the city collect use of technology by gender	•						
			0	20	40	60	80	100	
					Standardiz	ed Scores	5		



Singaporean society places a high value on meritocratic advancement, leaving behind under-represented groups as a result.



There is an aversion to any kind of positive discrimination, which limits government appetite for policy support for women-owned businesses. Singapore has always highlighted its system of 'meritocracy'. However, this system is more to do with giving all ethnicities equal opportunities rather than genders.

As a result, in-built cultural biases against women, such as that they remain homemakers, remain prevalent. This has improved somewhat in the past decade, with female participation in the labor force increasing from 63% to 72% according to the Minister for Manpower Lim Swee Say.

The commitment to meritocracy in Singapore tends to favor those groups that are traditionally advantaged in Singaporean society. One consequence of this commitment is that fewer women are advanced in organizations and therefore receive limited executive experience; and women-owned businesses are often overlooked as vendors in the private sector. The government has few policies in place to give women or women-owned businesses the experience that would allow them to compete in a system that focuses on past success as an indicator for merit.

#### **Recent Positive Step:**

- ✓ At the G20 Labour and Employment Ministerial Meeting held in May 2017, the Minister for Manpower Lim Swee Say emphasized a commitment to improving flexible work policies, new skills training, and gender-neutral hiring practices.
- ✓ Flexible Work Arrangements have been more widely adopting, with 67% of employees working at companies with such policies in 2016, up from 56% in 2011.
- ✓ In the past decade, female participation in the workforce has improved from 63% to 72%, according to the Minister of Manpower.





The government has taken some steps to rectify unbalanced representation, but large gaps remain.

Women struggle to achieve work/life balance in Singapore, and therefore struggle to achieve professionally. The government has been hesitant to put forward policies to address this imbalance.

At the board level, there is demonstrated discrimination against women, with only 10% female representation as of June 2017. The government's main effort has been to increase the representation of women on the boards of listed companies (aim to increase to 20% by 2020).

There is also a 14% gap in average wages between males and females. While this is the best in Asia, there have been no overt efforts to reduce the gap at the governmental level. This has remained consistent since 2006.

#### **Recent Positive Step:**

✓ Median wages for women have risen at an average of 5% annually, on pace with men, for the past ten years, according to the Minister of Manpower.



### Blueprint for Action



## Singapore needs to address its imbalances in work/life balance as well as access to capital to unlock the potential of its women entrepreneurs.

- **TALENT**: Policies to level the playing field for working women, and particularly help them return to work after having children, will help women get the experience they need to found successful businesses.
- **CULTURE**: Though a commitment to flexible work practices has been emphasized and improving in the past ten years, further policies that improve work/life balance, and a commitment to encourage employees to take advantage of those policies, would help women take on leadership roles.
- **TALENT**: Less than 10% of company boards are women. Singapore could do more to encourage women to serve in leadership roles in businesses by promoting them more publicly.
- CAPITAL: Policies that give women more access to capital, including working towards equal pay, will be important in encouraging women to pursue entrepreneurial opportunities.



### Additional info – Lowest Indicators relative to Markit benchmark



	Max Score	Benchmark	Number of cities w/ max	
<u>Indicator</u>	<u>(raw)</u>	City	score	Singapore
Government goals for WOB procurement	1		19	0%
Does the city collect use of technology by gender	1		8	0%
Private sector – corporate vendor programs that try to get women owned businesses				
as vendors (Weconnect International)	15	New York	1	0%
Policy for "equal remuneration for work of equal value" (fair pay)	1		32	0%
Policy for "nondiscrimination based on gender in hiring"	1		40	0%
		San		
Amount Raised on Crowdfunding Sites	2.48E+08	Francisco	1	2%
Number of female founders or executives in 2nd round or higher funding round in the		San		
city	1442	Francisco	1	4%
Number of female leaders of major city business associations	20	Bangalore	1	5%



# Additional info — Highest Indicators relative to benchmark



	Max Score		Number of cities w/	
<u>Indicator</u>	(raw)	Benchmark City	max score	Singapore
Top Ranked University in that City (out of 1000 globally) (inverted)	992	New York	1	96%
Ease of starting a business	30		2	97%
Numbeo.com Safety Scale	83.29	Seoul	1	98%
Access to open and flexible technology	11	Singapore	1	100%
Frequency of City events for WE or businesswomen	3		34	100%
Open Data Initiatives	1		37	100%
Presence of a city portal/website for business creation (transparent process,				
centralized information,etc.)	1		30	100%
Collection of city level data on income or employment by gender	1		40	100%
Paid maternity leave	1		38	100%
Paid paternity leave policy	1		29	100%







			7/10
<u>Pillar</u>	Indicator	<u>Description</u>	Source
MARKETS	City Population	This indicator gives a general size of the market	Brookings.edu; IHS Sources; Eurostat; UN
MARKETS	GMP	This indicator gives a general size of the market and opportunity	Brookings.edu; IHS Sources
MARKETS	Forecasted economic growth rate of city/region or country over next 5 years	This indicator gives a general size of the market and opportunity	Brookings.edu; IHS Sources
MARKETS	Corporate Income Tax Rate	This indicator is inverted such that lower income tax rates are more beneficial for attracting and supporting entrepreneurship	PWC 2017
MARKETS	Cost of Living	This indicator is inverted such that lower cost of living; a cheaper cost of living allows women to put more capital towards scaling their business vs. overhead costs	2017 https://www.expatistan.com/cost-of-living
MARKETS	% Company Boardmembers that are Female	The more women on boards of companies signals willingness of companies to engage diversity (country level or avg from sample of city's top employers)	MSCI, WoB2020, IHS local sources
MARKETS	Accelerators (with WOB)	Accelerators provide a powerful way for entrepreneurs to scale their business through networking, training and access to capital	http://www.seed-db.com/accelerators/all; https://www.f6s.com; www.gan.co
MARKETS	Presence of a city portal/website for business creation (transparent process, centralized information,etc.)	A hurdle for starting and growing a business is often just knowing how to obtain the right permits and registration as well as knowing what resources the city provides. Many cities are providing portals as one stop shops for business owners to find all the relevant information they need.	google search and search of city government websites
MARKETS	Private sector – corporate vendor programs that try to get women owned businesses as vendors (Weconnect International)	Many entrepreneurs reach scale by becoming a supplier for a larger company. A hindrance is that women owned businesses are often discriminated against (intentionally or unintentionally) when it comes to winning lucrative contracts. Large companies in a city that are committed to diverse supply chains can help women entrepreneurs reach scale.	2017 Corporate Member list HQ and Staff Locations
MARKETS	Government goals for WOB procurement	Similar to private sector companies, many city governments are passing ordiances to ensure they have a diverse supply chain and give women owned businesses the opportunity to secure contracts.	google search and search of city government websites
MARKETS	Most female entrepreneurs as % of startups in city	Research and our interviews with women entrepreneurs shows that having more women entrepreneurs in the city can help foster female entrepreneurship.	Crunchbase 2017
MARKETS	Ease of starting a business	Lower barriers to starting a business is a first step to scaling.	2016 PWC

			IHS Markit
<u>Pillar</u>	Indicator	<u>Description</u>	Source
TALENT	Labor force participation rate (women age 15+)	required to run a business.	IHS, Inc. Country statistical agency
TALENT	Business management or finance training courses or programs for WE or women executives	Women's ability to scale often requires skills in finance and business management.	2017, Goldman Sachs 10000 Women partner locations, PWN locations, US SBA Womens Center locations, google search (max =5)
TALENT	Ratio of Women/Men with executive Experience	This indicator shows whether women are proportionately gaining executive experience that could be transferred to scaling a business.	2017 LinkedIn
TALENT	% of population with tertiary education or above	An educated workforce is often a pre-requisite to getting the talent a women owned business needs in order to scale.	IHS, Country statistics
TALENT	% of female population with tertiary education or above	This is an indication of both womens own education and educational equality that signals whether women are getting educational opportunities that could help them scale a business.	IHS
TALENT	% of Labor Force in Professional Services (finance, marketing, accounting, law) within city	This is an indication of whether necessary talent is available for women that want to scale their business.	2017 LinkedIn
TALENT	% of Labor Force who are IT professionals	In today's internet and enterprise software driven environment, businesses that want to scale need a sophisticated IT staff.	2017 LinkedIn
TALENT	Number of accredited business schools in city	Many new businesses are birthed in business schools where writing business plans and running a business is part of the curriculum.	FindMBA.com, IHS
TALENT	Number of globally top-ranked business schools in city	Topped ranked business schools tend to attract people with talent and vision that can be catalysts for scaling a business.	2017, Financial Times Global MBA Ranking
TALENT	Average % enrollment in top universities that city who are female	This is an indication of the equality of opportunity for women in higher education. It is a proxy for the attractiveness of the city for women in general and women entrepreneurs in particular.	2017 Time Higher Education Global Ranking
TALENT	Ratio of Female/Male Individuals with MBA's	This is both an indication of equality and a proxy for the potential for women entrepreneurs in the city, since MBA programs can be a place where business ideas are hatched.	2017 LinkedIn
TALENT	Female Faculty in top business schools (%)	Studies have shown that one reason women drop out of business school programs is due to a lack of female faculty role models.	2017 FT and individual searches at top business school in city
TALENT	Number of top ranked global universities in city	Top ranked universities attract talent to the city.	2017, US News & World Report, Best Global Universities, 2017 Rankings
TALENT	Top Ranked University in that City (inverted)	Top ranked universities attract talent to the city.	2017, US News & World Report, Best Global Universities, 2017 Rankings



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<u>Pillar</u>	<u>Indicator</u>	<u>Description</u>	Source
CAPITAL	Value of VC funds given to businesses with at least	Indicates relatively how well women owned businesses are attracting funding from VCs (a powerful source	e 2017 crunchbase
	25% female executives	of capital for scaling and where women have historically not done comparatively well).	
CAPITAL	Number of female founders or executives in 2nd	Indicates relatively how many women in the city are trying to scale and their success at getting to higher	2017 crunchbase
	round or higher funding round in the city	rounds of funding.	
CAPITAL	Most active Corpoate VC Firms (top 25)	Corporate VC is another source of capital and their prevalence in a city indicates an additional access point for capital.	2017 cbinsights
CAPITAL	Number of potential investors (population of HNWI)	Women often rely on friends and family for funding. This indicates the prevalence of qualified investors in the city that could be potential investors for women entrepreneurs.	2016 Frank Knight Wealth Report; Phoenix Marketing International 2016; IHSM calculations
CAPITAL	% of total investment companies with at least 1 female executive	Research shows that investment companies or VCs with women executives or partners tend to invest more in women entrepreneurs.	2017 crunchbase
CAPITAL	% of city businesses in 2nd round or higher funding round with a woman founder or executive	This indicates whether women are proportionately getting to higher rounds of funding (scaling).	2017 crunchbase
CAPITAL	Number of weeks of paid maternity leave (full pay or partial pay)	Taking time off to start and grow a family causes women to lose income that provides a base to build wealth. To the extent that this income is not disrupted women are better able to accumulate wealth to invest in their own business or in others.	google search of individual city policies on maternity leave
CAPITAL	% of VC funds given to businesses with at least 25% female executives	This indicates whether women are getting proportional access to funding.	2017 crunchbase
CAPITAL	Amount Raised on Crowdfunding Sites	Crowdfunding may help level the playing field for women entrepreneurs when it comes to attracting capital. The relative amounts funded in the city is a proxy for greater access to capital for WE.	l.2017 kickstarter.com and city specific equivalents
CAPITAL	Measure of Equality: Women/Men who saved to start, operate or expand a farm or business	Many women use personal savings to start a business. However saving may be more difficult for women if, for example, their income is interrupted. This is an indication of equality both of the ability to save and aspiration for starting a business.	World Bank 2014
	Total Projects on Crowdfunding Sites	Crowdfunding may help level the playing field for women entrepreneurs when it comes to attracting capital To the extent sites are active in the city is a proxy for greater access to capital for WE.	I.2017 kickstarter.com and city specific equivalents
CAPITAL	VC's with 25% partners who are female?	Research shows that investment companies or VCs with women executives or partners tend to invest	2017 Crunchbase
14 of	Y Dell - Internal Use - Confidential	more in women entrepreneurs.	



<u>Pillar</u>	<u>Indicator</u>	<u>Description</u>	Source
CULTURE	Presence of role models: # of globally recognized successful WE	Women often don't dream big because they don't see other women scaling businesses. This indicates how many local role models women in the city have when it comes to being a successful WE.	IHS, 2017 [a combination of Forbes 2000 CEOS, Fortune 500 CEOs, and Forbes 100 most powerful women]
CULTURE	Female Mayors in last 3 terms	Females in political leadership can be both role models and also help influence legislation that provides a level playing field for women.	IHS, 2017 (google search)
CULTURE	Number of national level advocacy or supplier dev't groups specifically for WE or businesswomen	Organizations that advocate for WE and/or help WE secure contracts with governments and larger companies helps WE scale and helps to change the perception about WE. Cities do not operate in a vacuum and often national level policies and culture can permeate to cities.	
CULTURE	Number of city level organizations specifically for WE or businesswomen	City level organizations can provide valuable networking, education and advocacy that can help WE scale.	IHS, 2017 - meetup.com
CULTURE	Number of city level organizations specifically for entrepreneurs		IHS, 2017
CULTURE	% of women on boards of major business associations' (e.g. Chamber or other influential business group)	r Having women on boards of business associations helps women better network with other businesses and helps foster a more diverse business environment in the city.	e IHS, 2017 google search
CULTURE	Number of female leaders of major city business associations	Having female leaders of business associations helps women better network with other businesses and helps foster a more diverse business environment in the city.	IHS, 2017 google search
CULTURE	% of major city business associations headed by female leaders	While absolute numbers are important, representation is also key. This shows whether women are proportionately represented in leadership in the business community of the city.	dIHS, 2017 google search
CULTURE	Frequency of City events for WE or businesswomen	City level events for WE or businesswomen help women network and gain critical skills.	IHS, 2017; Meetup.com
CULTURE	Ratio of positive to negative Tweets about women	This is a measure of the overall attitude of the city towards women. Often negative messages can have a bigger influence on women's aspirations and self perceptions than positive messages. This indicator measures the ratio of positive to negative messages towards women.	Twitter/ Janys, 2017 (number per capita)
CULTURE	% of relevant articles on successful "women entrepreneurs" in Media for that city	Hearing about role models in the media is another way that helps women dream big.	2012-2017 (5 years) Factiva
CULTURE	Numbeo.com Crime Level (inverted)	Crime and Safety are key concerns for any business, but women in particular tend to evaluate their safety more when deciding whether to scale a business.	Numbeo,com 2017
CULTURE	Numbeo.com Safety Scale	Crime and Safety are key concerns for any business, but women in particular tend to evaluate their safety more when deciding whether to scale a business.	Numbeo,com 2017
CULTURE	Numbeo.com Worry about being attacked (inverted)	Crime and Safety are key concerns for any business, but women in particular tend to evaluate their safety more when deciding whether to scale a business.	Numbeo,com 2017
CULTURE	Collection of city level data on income or employment by gender	This provides an indication of whether the city is concerned about gender equality - particular on economic issues which are critical for WE. What gets measured gets managed - so we include this indicator as a measure of a culture that values gender equality.	
CULTURE	Presence of city and/or national level policy advocacy organization specifically for women's equality issues	Organizations committed to women's equality and rights have helped to change the culture and provided women with more freedom - a prerequisite for scaling a business.	World Bank, IHS
CULTURE	Policy for "equal remuneration for work of equal value" (fair pay)	This is another indication of a culture that values gender equality. It is also critical that women earn their economic worth so they can build their savings and wealth.	World Bank, IHS
CULTURE	Policy for "nondiscrimination based on gender in hiring"	This is another indication of a culture that values gender equality. It is also critical that women have equal opportunity in the workplace so they can gain critical skills and experience needed to scale a business.	World Bank, IHS
CULTURE	Paid Maternity leave policy	This is a binary (y/n) indicator that proxies for a culture that is trying to level the playing field for women.	World Bank, IHS
CULTURE	Paid paternity leave policy	This is a binary (y/n) indicator that proxies for a culture that is trying to level the playing field for women.	IHS DOLL
CULTURE CULTURE 5 Of	Entrepreneurial Network (population with entrepreneurial experience) Y% of wome Departianternal Use - Confidential	Our research found that having other entrepreneurs nearby was valuable for networking and providing help and advice.  Women in leadership are both role models and can put forth legislation that helps level the playing field for women.	2017 LinkedIn Search of websites



<u>Indicator</u>	<u>Description</u>	<u>Source</u>
% of women who use the internet		2017 consumerbarometer.com (country level); US cities (2015 Pew Research Survey state level)
% of women with smart phones		2017 consumerbarometer.com (country level); US cities (2015 Pew Research Survey state level)
Measure of equality female/male used an account to make a transaction through a mobile phone	This provides an indication of whether women are using technology to engage in economic transactions. This is both a measure of equality and a measure of women's willingness to use technology for economic purposes.	Country level WB 2014
Gender equality in LinkedIn use: ratio of female/male (max = 1.0)	This is an indication of whether women are equally engaging in professional social media.	2017 LinkedIn profile search
Inverse of Average Monthly Cost of Internet (8MB speed) USD	Cost can be a hindrance to access as well as a hindrance to scaling a business, this measures the relative cost of basic technology.	2017 https://www.expatistan.com/cost-of-living
Inverse of Average Cost 1 min. of prepaid mobile tariff (no discounts or plans) USD	Cost can be a hindrance to access as well as a hindrance to scaling a business, this measures the relative cost of basic technology.	2017 https://www.expatistan.com/cost-of-living
	Open data is way for cities to share the data collected and generated by people in the city. This data can be used by entrepreneurs to help find solutions to common constraints in the city. It also signals a transparency on the part of city government - this transparency can help ensure that there is a level playing field.	2017 Google Search
Access to open and flexible technology	Many businesses that want to scale rely on open technology and flexible standards that allow them to more quickly scale their operations at a lower cost.	2017 HQ cities of member companies http://www.opencompute.org/about/membership- organizational-directory/
Technology training organizations for women	Technology can be intimidating for anyone. Women who want to scale their business need to have basic skills in utilizing technology. Classes specifically for women are also less intimidating/more inviting for women.	2017 Women Who Code, Girls in Tech, other
Does the city collect use of technology by gender	Technology is increasingly critical for any business to scale. Cities that collect gender level data on technology use and access can better monitor and manage how well their city is doing in leveling the playing field for women.	2017 google search
Number of Smart City Projects	Smart city projects help to optimize city functions making it more friendly for business and well as signaling the potential for more innovation (attracting entrepreneurs).	IHSM Smart Cities IoT Intelligence Service (2017)
Gender equality in Facebook use: ratio of female/male (max = 1.0)	= This provides and indication of how equally women are engaging with social media, which is increasingly becoming a place to exchange ideas and information.	2017 Facebook search
Per capita number of open development users	Open development platforms provide a place for developers and users of software applications to meet. These development platforms have allowed entrepreneurs to scale their businesses more quickly and/or at lower cost.	www.github.com
	% of women who use the internet  % of women with smart phones  Measure of equality female/male used an account to make a transaction through a mobile phone  Gender equality in LinkedIn use: ratio of female/male (max = 1.0)  Inverse of Average Monthly Cost of Internet (8MB speed)  USD  Inverse of Average Cost 1 min. of prepaid mobile tariff (no discounts or plans) USD  Open Data Initiatives  Access to open and flexible technology  Technology training organizations for women  Does the city collect use of technology by gender  Number of Smart City Projects  Gender equality in Facebook use: ratio of female/male (max = 1.0)	Soft women with smart phones  Smart phones are also becoming a necessessity for fully engaging with the global economy. This indicator measures the extent that women have access.  Measure of equality female/male used an account to make a transaction through a mobile phone  This provides an indication of whether women are using technology to engage in economic transactions. This is both a measure of equality and a measure of equality in Linkedin user ratio of female/male (max = 1.0)  Inverse of Average Monthly Cost of Internet (BMIS speed)  Inverse of Average Cost 1 min. of prepaid mobile tariff (no discounts or plans) USD  Open Data Initiatives  Open data is way for cities to share the data collected and generated by people in the city. This data can be used by entrepreneurs to help find solutions to common constraints in the city. It also signals a transparency on the part of city government - this transparency can help ensure that there is a level playing field.  Technology training organizations for women  Technology can be intimidisting for anyone. Women who want to scale their business need to have basic skills in utilizing technology. Classes specifically for women.  Number of Smart City Projects  Smart ofty projects help to optimize oily functions making it more frendly for business and well as signaling through solidare and users of periodic for more. These development platforms provide a place for developers and users of software applications to measure the internet women are easily as a hindrance to scaling a business, this measures the relative cost of basic technology.  Cost can be a hindrance to access as well as a hindrance to scaling a business, this measures the relative cost of basic technology.  Cost can be a hindrance to access as well as a hindrance to scaling a business, this measures the relative cost of basic technology.  Access to open and flexible technology  Many businesses that want to scale rely on open technology and flexible standards that allow them to more quickly scale their ope