

In rajan (2014)
signifies that financial
inclusion
encompasses



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In the literature, both definition of financial inclusion and index formation to define financial inclusion have been extensively discussed.

Studies of causes of financial inclusion either focused on particular regions or covered all countries. First, index formation will be discussed then literature looking at financial inclusion's impact on growth, stability and income equality will be presented. Definition of Financial Inclusion and Index Formation Existing literature on financial inclusion has different definitions of the concept and the notion of financial inclusion attracted a mounting interest from the academia. Numerous studies define the concept in terms of financial exclusion instead which is linked to a broader context of social inclusion. Sinclair (2001) indicated that the notion of financial exclusion was the incapability to access essential financial services while Leyshon and Thrift (1995) defined it as the processes which serve to preclude some social groups and/or persons from accessing the formal financial system. Similarly, Carbo et al.

(2005) defined financial exclusion as the incapacity of some groups in accessing the financial system. On the other hand, Government of India's definition of financial inclusion lies on the basis of creating a system that guarantees/ensures access by exposed groups (including low income ones) to financial services with (i) acceptable credit conditions and (ii) with an affordable cost, in a timely manner. Rajan (2014) signifies that financial inclusion encompasses the deepening of financial services for those people with limited access as well as extension of financial services to those who do not have any access. Furthermore, Amidžić, Massara, and Mialou (2014) and Sarma (2008) directly define financial inclusion. The former describe financial

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inclusion as an economic state where persons and firms have access to basic financial services. (Other studies have results that certainly could have significant policy implications with regards to increasing the level of financial inclusion.

For instance, Burgess and Panda (2005) found that the expansion of bank branches in rural India had a significant impact on alleviating poverty. Meanwhile, Allen et al. (2013) explored the factors behind the financial development and inclusion amongst African countries.

Particularly, Brune et al. (2011) conducted experiments in rural Malawi examining how access to formal financial services improves the lives of the poor, pertaining to saving products. Although it appears that there is a consensus on how financial inclusion is defined, there certainly is no standard way of measuring it.

Hence, existing studies offer differing measuring techniques of financial inclusion. For example, Honohan (2007 and 2008) constructed an indicator measuring financial access by taking into account the overall adult population in an economy with access to formal financial intermediaries. For countries with existing data on financial access, the composite indicator is formulated by utilizing household survey data.

For those without household survey, the indicator is formed using the information on bank account numbers in combination with GDP per capita. The data is constructed as a cross-section series using the most recent data as the reference year varying across economies. However, Honohan's (2007 and 2008) calculations only deliver a snapshot of financial inclusion across <https://assignbuster.com/in-rajan-2014-signifies-that-financial-inclusion-encompasses/>

various countries and is not appropriate for comprehending the relative trends and changes across countries over time. In order to overcome the aforementioned deficiencies, Sarma (2008, 2010, and 2012) and Chakravarty and Pal (2010) suggested construction of composite indices of financial inclusion that combine various banking sector parameters.

Importantly, these indices assign equal weights to all parameters and dimensions, with the assumption that these dimensions have equal effect on financial inclusion. These indices are created in order to gauge the availability and accessibility; as well as the usage of banking services. Sarma (2008) described financial inclusion as the level of ease for any individual or a group to access, to reach availability and to make use of the formal financial system. The study followed a multidimensional approach with an index of financial inclusion (IFI). The multi-dimensional index captured information on various dimensions of financial inclusion under one single digit between 0 and 1. On the one extreme, 0 displayed complete financial exclusion; while on the other side of the spectrum 1 reflected complete financial inclusion in an economy at a given point in time. The easy to calculate index contains information on various dimensions of an inclusive financial system. The calculated index in this paper could be utilized to compare different levels of financial inclusion across economies at a specific time point.

It could also be utilized for observing the advancement of policy initiatives for financial inclusion over a time period. These two attributes were the biggest advantage of this study. In other words, this paper filled the gap of a comprehensive measure that can be utilized to measure the extent of financial inclusion across economies.

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The construction methodology and computation for this index was relatively similar to the well-known development indices of the HDI, the HPI, the GDI. Similar to these indices, the study proposed a dimension index for each dimension of the financial inclusion. The dimension is calculated by subtracting the minimum value from the actual value and dividing it by the difference between the maximum and minimum values.

Once each dimension are computed, the index then was determined by the normalized inverse Euclidean distance of the ideal point. The IFI index took into account three fundamental dimensions which were selected mainly due to the data availability for large number of countries as well as the recent trends in literature. banking penetration which is measured by dividing number of bank accounts by the total population; availability of the banking services which is proxied by the number of bank branches per 1000 inhabitants; and, banking system usage which is estimated by dividing the volume of credit and deposit by the GDP of the country. Diverging from the methodology utilized by the UNDP for the HDI, the HPI, the GDI which is the simple arithmetic average; the IFI index was a measurement of the distance from the ideal. Moreover, the choice of minimum and maximum values for the dimensions was also different since the UNDP methodology preferred pre-fixed values for the minimum and maximum values for each dimension to calculate the dimensional index.

Instead, this study took into account the minimum and maximum values within the dataset for each dimension. It was difficult to determine the minimum and maximum for any dimension of financial inclusion. For several dimensions such as the literacy rate and life expectancy, used in UNDP's HDI, <https://assignbuster.com/in-rajan-2014-signifies-that-financial-inclusion-encompasses/>

it was easy to define limits. However, this was a dynamic index where minimum and maximum values for any dimension may alter at different time points. In sum, Sarma (2008) followed a different approach to calculate the indicator. He first computed a dimension index for each financial inclusion dimension and then aggregated each index as the normalized inverse of Euclidean distance.

The distance is calculated with respect to an ideal reference point, and then normalized by the number of dimensions in the composite index. The index did not impose any weights for each dimension. The index had some limitations; it did not have country-specific information, geographical aspects and gender dimension. Due to lack of appropriate data, Sarma was not able to combine numerous aspects of an inclusive financial system including financial services' affordability, timeliness and quality.