Irving Fisher Committee on
Central Bank Statistics

BANK FOR INTERNATIONAL SETTLEMENTS

BANK INDONESIA

2 August 2016

IFC / Bank Indonesia Satellite Seminar on

Big Data

to be held in Bali, Indonesia, 21st March 2017

CALL FOR PAPERS

The IFC / Bank of Indonesia Satellite Seminar aims to explore the topic of Big Data from a central banking perspective. The event will bring together statisticians, economists, researchers and academics, producers of data, and users of statistical information especially from international organisations and other official institutions including central banks.

Seminar participants will explore the potential of using Big Data for policy and supervisory purposes, and in particular review the various types of data sources that can be used for the conduct of central bank policies and operations.

This call warmly invites the submission of abstracts related to the general issue of big data for central banks as well as to more specific studies in particular related to four types of big data sources, namely the administrative, internet, commercial and financial markets datasets.

I. Overview - Big Data for Central Banks

- Central banks' general use of big data;
- Central banks' potential interest in developing big data pilots;
- Experiences from other institutions;
- Types of big data statistical sources;
- Text mining techniques for assessing monetary and financial stability.

II. Administrative datasets

- Large, granular administrative databases (eg databases available mainly within services for instance central banks, statistical offices, fiscal offices, ministries and other public authorities);
- Using individual records and characteristics from financial and non-financial firms and households;
- Ongoing projects for using administrative datasets (eg corporate balance sheets, housing records).

III. Internet datasets

- Datasets generated through internet-based activities (eg internet prices, volumes using search engines, digital traces, social media platforms);
- Deriving or simulating statistical indicators from non-official sources, digital text and financial news exploration methods, sentiment indicators, internet surveys);
- Projects for detection of trends and turning points, nowcasting economic and financial indicators and statistics.

IV. Commercial datasets

- Datasets from commercial activities and sources (eg trading platforms, settlements and clearing houses, mobile banking and operators, postal services, consumer spending, card payments);

- Deriving or simulating statistical indicators (eg from loans and credit databases);

- Methods and experiences of using commercial datasets.

V. Financial markets datasets

- Large financial market datasets generated by the trading platforms of individual financial instruments and corporate actions (eg currencies, money market, bonds, equity, commodities, derivatives);

- Deriving statistical indicators or methods to detect eg trading patterns, market liquidity changes, behavioural abnormalities and risks;

- Experiences of using financial market datasets eg high frequency trading and price data, derivatives transactions, (intraday) bid-ask spreads (from commercial and institutional data vendors and alike).

The Event

The Seminar will take place in the Sanur Paradise Plaza Hotel in Bali, Indonesia on 21 March 2017 and is jointly organised by the Irving Fisher Committee on Central Bank Statistics (IFC) of the Bank for International Settlements and Bank Indonesia.

It will be organised on the occasion of the International Statistical Institute (ISI) Regional Statistics Conference (RSC) to be held in Bali, Indonesia from 22 to 24 March 2017, and organised by the ISI and its South East Asia Regional Network (ISI-SEA Network) together with Bank Indonesia as the co-host, in collaboration with Badan Pusat Statistik (Statistics Indonesia), Ikatan Perstatistikan Indonesia (Association of Indonesia Statistician), and Forum Masyarakat Statistik (Indonesia Statistician Forum).

Important dates: Please send your title and abstract including key words, contact details, institution, via email by 15 November 2016 to IFC.secretariat@bis.org. Abstracts will be peer reviewed and authors of selected abstracts will be notified by 15 December 2016. Papers and PowerPoint presentations to be submitted by 1 March 2017.

Abstract submission: 15 November 2016

Acceptance notification: 15 December 2016

Selected paper submissions and Presentations: 1 March 2017

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