

1. Record Nr.	UNINA9910788348803321
Autore	Gonzalez-Garcia Jesus
Titolo	Benford's Law and Macroeconomic Data Quality // Jesus Gonzalez-Garcia, Gonzalo Pastor Campos
Pubbl/distr/stampa	Washington, D.C. : , : International Monetary Fund, , 2009
ISBN	1-4623-0634-9 1-4527-9144-9 1-4518-7157-0 9786612842320 1-282-84232-3
Descrizione fisica	1 online resource (22 p.)
Collana	IMF Working Papers
Altri autori (Persone)	Pastor CamposGonzalo
Disciplina	339
Soggetti	Business & Economics Economic Theory Investments: General Macroeconomics Money and Monetary Policy Statistics Econometric and Statistical Methods: General Methodology for Collecting, Estimating, and Organizing Macroeconomic Data Data Access Measurement and Data on National Income and Product Accounts and Wealth Environmental Accounts Monetary Systems Standards Regimes Government and the Monetary System Payment Systems General Aggregative Models: General Investment Capital Intangible Capital Capacity Data Collection and Data Estimation Methodology Computer Programs: Other Current Account Adjustment Short-term Capital Movements

Econometrics & economic statistics
Monetary economics
Currencies
National accounts
Gross fixed investment
Government finance statistics
Balance of payments statistics
Money
Economic and financial statistics
National income
Saving and investment
Finance
Balance of payments
United States

Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di contenuto	Contents; I. Introduction; II. Benford's Law and Testing Methodology; A. Benford's Law; B. Testing Methodology; III. Conformity of Macroeconomic Data with Benford's Law; IV. Comparison of Goodness of Fit Tests Results with ROSC Assessments of Data Quality; V. Can Tests of Conformity with Benford's Law be Considered Reliable Indicators of Macroeconomic Data Quality ?; VI. Conclusion; Text Tables; 1. Banking Survey Statistics: Goodness of Fit Tests; 2. Balance of Payments Statistics: Goodness of Fit Tests; 3. National Accounts Statistics: Goodness of Fit Tests 4. Government Finance Statistics: Goodness of Fit Tests5. Rejections of Benford's Law and Shares of LNO and NO Ratings; Appendix: Country Groups and Data Series Used; Appendix Tables; A.1. Groups of Countries; A2. Data Series Tested; Text Figures; 1. Finland and Japan Nominal GDP; 2. Niger Nominal GDP, Household Consumption and Gross Fixed Capital Formation; References
Sommario/riassunto	This paper examines the usefulness of testing the conformity of macroeconomic data with Benford's law as indicator of data quality. Most of the macroeconomic data series tested conform with Benford's law. However, questions emerge on the reliability of such tests as indicators of data quality once conformity with Benford's law is contrasted with the data quality ratings included in the data module of the Reports on the Observance of Standards and Codes (data ROSCs). Furthermore, the analysis shows that rejection of Benford's law may be unrelated to the quality of statistics, and instead may result from marked structural shifts in the data series. Hence, nonconformity with Benford's law should not be interpreted as a reliable indication of poor quality in macroeconomic data.