



Scanner Data And Price Indexes

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Scanner Data And Price Indexes:

Scanner Data and Price Indexes Robert C. Feenstra, Matthew D. Shapiro, 2007-11-01 Every time you buy a can of tuna or a new television its bar code is scanned to record its price and other information These scanner data offer a number of attractive features for economists and statisticians because they are collected continuously are available quickly and record prices for all items sold not just a statistical sample But scanner data also present a number of difficulties for current statistical systems Scanner Data and Price Indexes assesses both the promise and the challenges of using scanner data to produce economic statistics Three papers present the results of work in progress at statistical agencies in the U S United Kingdom and Canada including a project at the U S Bureau of Labor Statistics to investigate the feasibility of incorporating scanner data into the monthly Consumer Price Index Other papers demonstrate the enormous potential of using scanner data to test economic theories and estimate the parameters of economic models and provide solutions for some of the problems that arise when using scanner data such as dealing with missing data

Generalized Fisher Price Indexes and the Use of Scanner Data in the CPI, 2001 Statistics Netherlands intends to use scanner data provided by retailers in compiling the CPI This has two important advantages First taking a sample of items to estimate the commodity group price index for a particular type of outlet becomes unnecessary Second the Laspeyres type index formula currently applied can be replaced by an index formula that is better suited for handling dynamic aspects such as commodity substitution and the introduction of new goods The present paper suggests the use of a so called generalized Fisher price index based on a set of goods that is variable through time This index contains prices of new and disappearing goods that cannot be observed directly and that should therefore be imputed The relation with quality adjustment procedures is addressed as well Key words Consumer price index Imputation New goods Quality adjustment Scanner data Substitution

Scanner Data-Based Panel Price Indexes Chenhua Zhang, Eric A. Finkelstein, Shawn Karns, Ephraim Leibtag, 2020 We construct panel price indexes using retail scanner data that allow comparisons of consumption cost across space and time Two types of panel indexes are examined the rolling window panel extensions of the multilateral Cave Christensen Diewert index with the Tornqvist index as its elements and of the multilateral Gini Eltet Kves Szulc index using the Fisher ideal index as its elements The rolling window method maintains the nonrevisability of published index numbers while allowing index numbers for new periods and locations to be calculated and the basket of items to be updated Meanwhile the multilateral structure of price comparison eliminates significant downward drift in standard chained indexes Using county level bilateral and panel indexes based on retail beverage scanner data we experimentally adjust for purchasing parity the portion of Supplemental Nutrition Assistance Program SNAP benefits that participants spend on beverages Accounting for temporal and spatial cost differences causes over 2% of SNAP allotment spent on beverages to be reallocated or approximately a 5% change in allotment on average for a county About 90% of the relocated SNAP fund is to adjust for spatial differences in food cost We also compare SNAP

allotments implied by the retail scanner data indexes with those implied by indexes based on the USDA Quarterly Food at Home Price Database QFAHPD The treatment of unit values and product quality may have contributed to the significant differences observed between the retail scanner data indexes and the QFAHPD indexes

Consumer Price Index Manual International Monetary Fund, International Labour Office, Statistical Office of the European Communities, United Nations Economic Commission for Europe, Organisation for Economic Co-operation and Development, World Bank, 2005-06-30 The Theory publication and the companion on the practice of compiling consumer price indices CPIs is jointly published by the member agencies of the Inter Secretariat Working Group on Price Statistics IWGPS the Statistical Office of the European Union Eurostat the International Labour Organization ILO the IMF the Organisation for Economic Cooperation and Development OECD the United Nations Economic Commission for Europe UNECE and the World Bank The IMF managed the update of the Theory publication and the CPI Manual Drafting of this publication was led by Erwin Diewert with support from various authors The Theory publication will be translated into Spanish French Arabic and Russian

Food Price Dynamics and Price Adjustment in the EU Steve McCorrison, 2015-10-08 This book addresses the important issue of food prices across EU Member States Although recent attention has focused on events in world commodity markets following the spikes in world prices in 2007 2008 and 2011 there has been comparatively little attention addressing food price dynamics at the retail level This volume addresses the characteristics of retail food price behaviour and the nature and drivers of price transmission across the EU There are several inter related features of the research reported here First the volume reports the characteristics of retail food inflation across the EU and the extent to which it differs from non food inflation Second given the different experience of food inflation across EU Member States it details the process of price transmission as shocks from upstream and world markets are passed through the food sector to the retail stage Third it addresses how the extent and nature of price transmission is determined by various aspects of competition throughout the domestic food sector and how the nature of vertical contracting between stages can determine the price transmission process Finally it outlines the potential of high frequency product specific scanner data to address price dynamics and adjustment issues and how scanner data can also be used to measure food price inflation The book will be of interest to researchers on price transmission and competition issues in the EU and given the wider interest on these issues coupled with the novel use of scanner data to researchers further afield The contributions will also be of interest to policymakers and stakeholders as they seek to make sense of and to address regulation issues as they relate to the food sector

Consumer Price Index Manual International Labour Office, 2004-08-25 The consumer price index CPI measures the rate at which prices of consumer goods and services change over time It is used as a key indicator of economic performance as well as in the setting of monetary and socio economic policy such as indexation of wages and social security benefits purchasing power parities and inflation measures This manual contains methodological guidelines for statistical offices and other agencies responsible for

constructing and calculating CPIs and also examines underlying economic and statistical concepts involved Topics covered include expenditure weights sampling price collection quality adjustment sampling price indices calculations errors and bias organisation and management dissemination index number theory durables and user costs Scanner Data, Time Aggregation and the Construction of Price Indexes Lorraine Ivancic, Walter E. Diewert, Kevin J. Fox, 2009 **Producer Price Index Manual** International Monetary Fund, 2004-09-03 The producer price index PPI measures the rate at which the prices of producer goods and services are changing overtime It is a key statistic for economic and business decision making and inflation monitoring The Producer Price Index Manual Theory and Practice provides clear up to date guidance on the concepts uses methods and economic theory of the PPI including information on classifications sources compilation techniques and analytical uses of the PPI The Manual supersedes the previous international guidance on PPIs available in the Manual on Producers Price Indices for Industrial Goods published by the United Nations Statistics Division in 1979 The Manual s conceptual framework derives from the System of National Accounts 1993 and recent developments in index number theory Preparation of the Manual was undertaken by the Intersecretariat Working Group on Price Statistics through a technical expert group chaired by the IMF and involving representatives from the ILO the OECD the UN Economic Commission for Europe the World Bank national statistical offices and academic institutions **Republic of Moldova** International Monetary Fund. Statistics Dept., 2024-03-22 New data sources are now available in many countries to supplement direct collection of prices for the consumer price index CPI This technical assistance mission supported the National Bureau of Statistics of the Republic of Moldova with incorporating scanner data from the State Tax Service of the Republic of Moldova electronic sales monitoring system into the CPI **Studies in Income and Wealth** , 1937

Potential Uses of Scanner Data in the Production of Price Indexes Hugh Scobie, 1998 **Using Scanner Data in the Consumer Price Index** Jack E. Triplett, 2003 **Potential Uses of Scanner Data [electronic Resource] : a Case Study Using Coffee Data** Statistics Canada. Prices Division, Scobie, Hugh, 1998 **Journal of Economic and Social Measurement** , 2005 Sampling in Consumer Price Indices , 2002 **Estimation of the Coffee Price Index Using Scanner Data: Simulation of Official Practices** , 1997 With the use of Nielsen scanner data on coffee sales Statistics Netherlands is undertaking empirical research into the effects of alternative micro indexes and different commodity sampling designs on the Laspeyres type consumer price subindex of coffee In this paper is shown how scanner data may be used to approximate official concepts in constructing such an index Bulletin de L'Institut International de Statistique , 2001

Survey Methodology , 2006-12-02 Journal of Official Statistics , 2005 *A Computer Software Price Index Using Scanner Data* Marc Prud'homme, 2005 In the last 20 years the expenditure share of prepackaged software in the national output has grown The large number of characteristics in computer software make hedonic regression techniques impractical for purposes of controlling for quality changes In this study matched model price indices are constructed using monthly

scanner data on prices and unit values for various prepackaged computer software titles and categories sold in Canada from January 1996 to June 2000. Quality differences are controlled for by applying the maximum overlap method. Results show that prices declined during the period studied at an average annual rate of 5.9%.

The Enigmatic Realm of **Scanner Data And Price Indexes**: Unleashing the Language is Inner Magic

In a fast-paced digital era where connections and knowledge intertwine, the enigmatic realm of language reveals its inherent magic. Its capacity to stir emotions, ignite contemplation, and catalyze profound transformations is nothing short of extraordinary. Within the captivating pages of **Scanner Data And Price Indexes** a literary masterpiece penned by a renowned author, readers embark on a transformative journey, unlocking the secrets and untapped potential embedded within each word. In this evaluation, we shall explore the book's core themes, assess its distinct writing style, and delve into its lasting effect on the hearts and minds of those that partake in its reading experience.

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