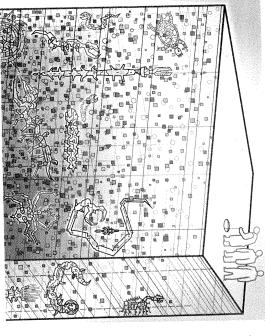
## Economics focus | Data birth

Fifty years after the dawn of empirical financial economics, is anyone the wiser?



me \$50,000 I could find out, replied Jim Lorie, a dean at the Uni versity of Chicago's business school, in so many words. The relative to investors in other assets. I don't know, but if tion of at least one-third of all empirical research in finance over nounced "crisp") data are everywhere. They provide the founda Research in Security Prices. Half a century later CRSP The result, in 1960, was the launch of the university's Centre for banker, Louis Engel, soon agreed to stump up the cash, and more. **L** who wanted to know how investors in shares had performed **T** ALL began with a phone call, from a banker at Merrill Lynch bate among economists since the financial crisis Whether that is an entirely good thing has become a matter of dethe past 40 years, according to a presentation at a symposium this month. They probably influenced much of the you gave

ing prices to take account of share splits, dividends, delistings and mation on all the shares traded on the New York Stock Exchange were then the early days of computing. Up to 3m pieces of inforary 1926 as the start date because they wanted the data to span at so on. Lorie and his co-researcher, Lawrence Fisher, chose Januchange's archive to magnetic tape. A lot of time was spent adjust between 1926 and 1960 were transferred from paper in the least one complete business cycle Compiling the CRSP data was an arduous process in what

these data in 1964, they reported that the annual compound reedging that good data on the performance of other assets were on the tax status of the investor) between 6.8% and 9%. Acknowl turn on the shares over the entire 35-year period was (depending extra return that investors need to compensate them for this addialso observed that many people choose to invest in assets with dia", providing the first empirical support for the still popular was "substantially higher than for alternative investment menot available, the study claimed that the rate of return on shares on how big investors should expect it to be. herent in common stocks". Economists today call the amount idea that shares outperform over the long run. Fisher and Lorie tional risk the "equity risk premium", although they differ greatly investors and the extent of their concern about the risk of loss inlower returns due to "the essentially conservative nature of those When the two economists published the first study based on

change-traded funds. It has been replicated across the world. ndemic economists everywhere. In turn, this resource became abase was both kept up-to-date and made readily available to bel laureate, became director of CRSP in 1974 and ensured the After that there was no stopping the love affair between finanlude bonds, property, some commodities, mutual funds and r more useful as computing power became more pervasive economists and number-crunching. Myron Scholes, now affordable. The CRSP database has since been expanded а

seems that no sooner are such anomalies discovered and reportvestors, but as believers in efficient markets observe with glee, it ining. In theory, such anomalies are potentially lucrative for inpapers based on discovering such "anomalies" through data share prices, however. That caveat has spawned a vast number ices for smart investors to exploit. Mr Fama did concede that ven moment, meaning there are no predictable movements in cause all relevant information is reflected in share prices at any ıded to follow a "random walk". Markets are efficient, he said, nt-market hypothesis". He found that over time share prices economist at the University of Chicago, to support his "effi-One of the earliest uses of the CRSP data was by Eugene Fama, re was some evidence of temporary short-term predictability in journals than they typically disappear.

amount of research in this area is still growing rapidly. Fashionface of what will one day be known about asset pricing. academic economic journals have proliferated, rising from boom in articles that report the results of this number-crunching sheer volume of material means that financial economists are around 80 when CRSP was founded to about 800 today. The advantage of mispricing of securities. Partly to accommodate the ecoming increasingly specialised. ld the impact of automated trading programs designed to take For Mr Scholes empirical finance has barely scraped the surle areas of study include the effect of liquidity on asset prices

## The grandpa principle

that drowns out serious thinking about the big questions, such as base economists suddenly believed that "finance had become scientific," says Robert Shiller, an economist at Yale University old-fashioned readings of history, studying institutions and laws. We should have talked to grandpa." risis coming, he argues, it would have been better to "go back to piricists, says Mr Shiller, who worries that academic departbout their vulnerabilities—seemed out-of-date to the new em-Conventional ideas about investing and financial markets—and nd a longtime sceptic about the efficient-market hypothesis. low a repeat can be avoided. With the creation of the CRSP datanat much of this statistical analysis is nothing more than noise hat may have costs as well as benefits. Some economists worry nents are om work that contains lots of data". To have seen the financial hy the financial system nearly collapsed two years ago and "creating idiot savants, who get a sense of authority

be enough to ensure CRSP's continuing success. isting ones. For believers in the efficiency of markets, that should claims, will be more academically rigorous and cheaper than exas well as for growth and value stocks. These indices, CRSP  $_{ extsf{v}}$ eiled to publish new indices for large-cap and small-cap shares, şrow. At crsp's 50th-anniversary symposium plans were unal analysis is proven by the fact that demand for it continues to Mr Scholes counterpunches that the usefulness of this empiri-