

Department of Economics and *Economica* public lecture

Understanding the Stagnation of Modern Economies

Professor Robert Hall

Robert and Carole McNeill Senior Fellow, Hoover Institution

Professor of Economics, Stanford University

Professor Francesco Caselli

Norman Sosnow Professor of Economics, LSE

Chair, LSE

Hashtag for Twitter users: **#LSEPhillips**

LSE events



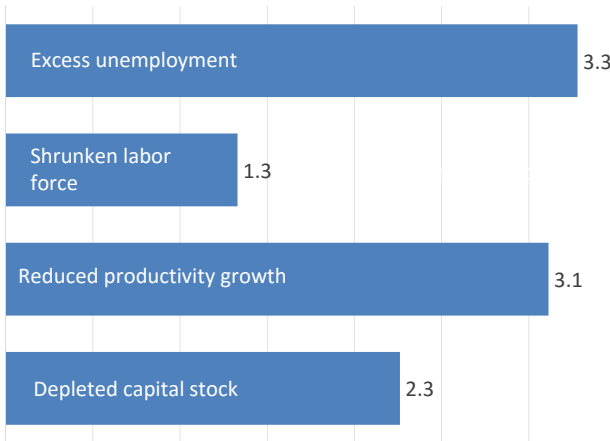
UNDERSTANDING THE STAGNATION OF MODERN ECONOMIES

Robert E. Hall
Hoover Institution and Department of Economics
Stanford University

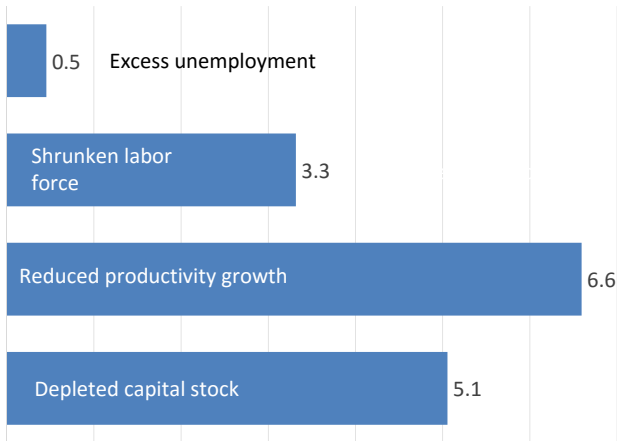
The Phillips Lecture
London School of Economics
28 April 2016

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ALLOCATION OF 10.0 PERCENTAGE POINTS OF SHORTFALL IN REAL GDP, 2010



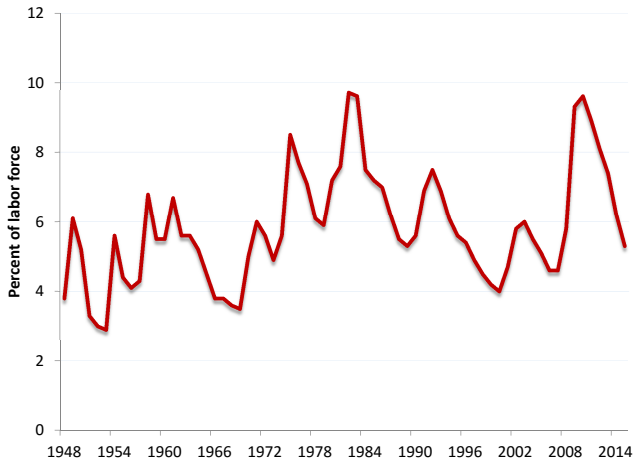
ALLOCATION OF 15.4 PERCENTAGE POINTS OF SHORTFALL IN REAL GDP, 2015



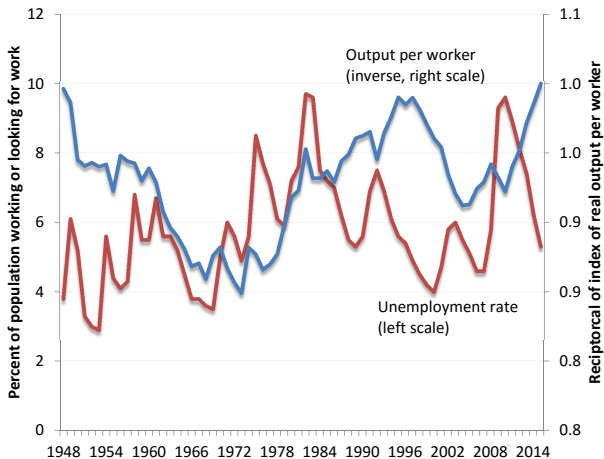
TOPIC 1: OUTPUT



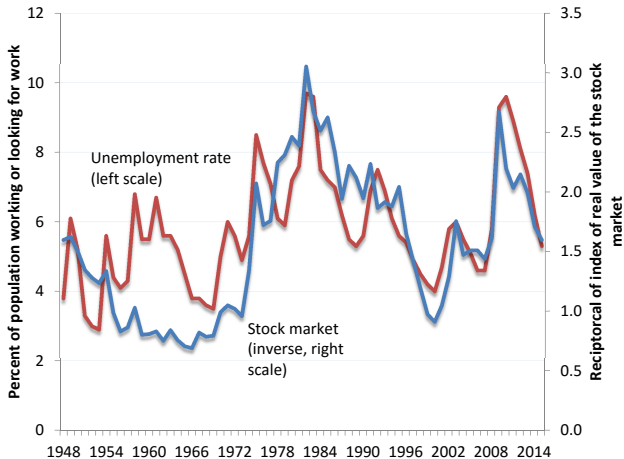
TOPIC 2: UNEMPLOYMENT



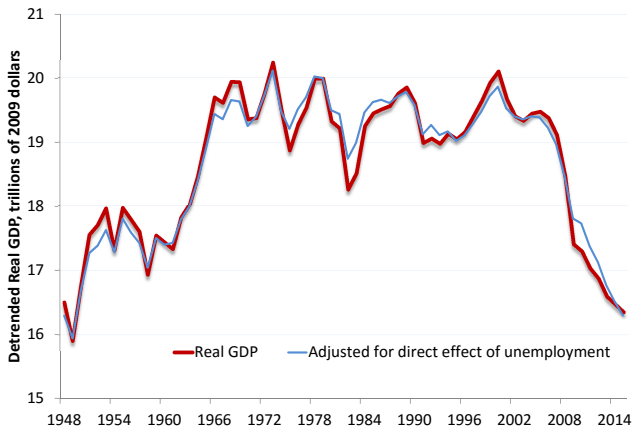
UNEMPLOYMENT AND PRODUCTIVITY



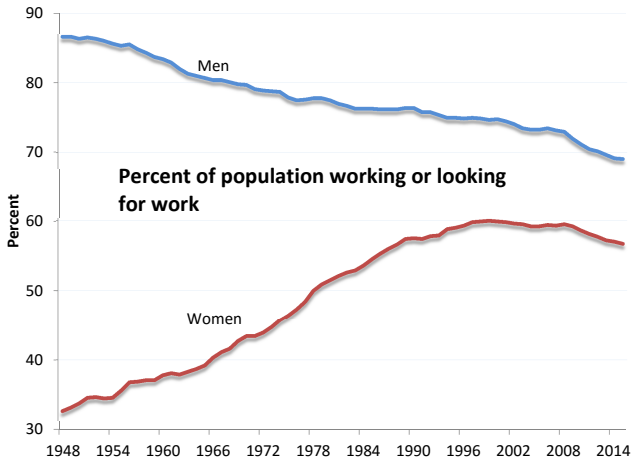
UNEMPLOYMENT AND THE STOCK MARKET



DIRECT EFFECT OF UNEMPLOYMENT



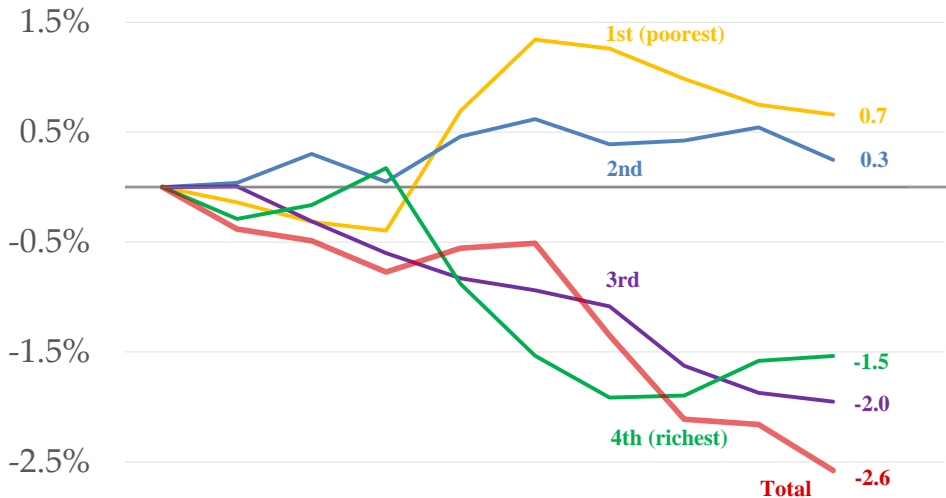
TOPIC 3: SHRINKAGE OF THE LABOR FORCE



ROLE OF FAMILY INCOME

FROM HALL AND PETROSKY-NADEAU (2016)

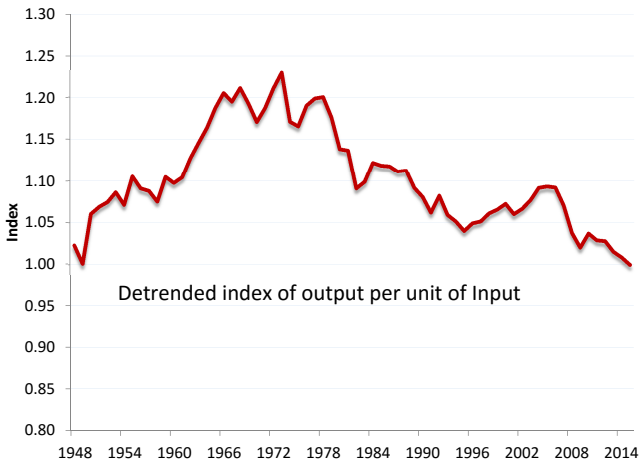
— 1st — 2nd — 3rd — 4th — Total



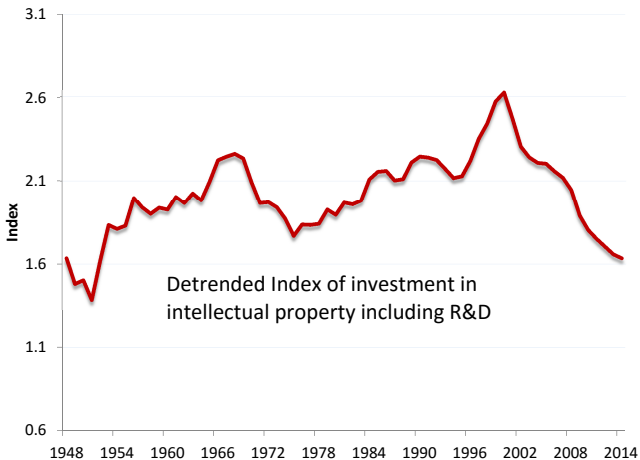
CHANGES IN WEEKLY HOURS OF TIME USE, 2003 TO 2013, PEOPLE 15 AND OLDER

	<i>Personal care</i>	<i>Household work</i>	<i>Market work</i>	<i>Education</i>	<i>Leisure</i>	<i>Other</i>
Men	1.3	0.1	-2.5	0.2	1.3	-0.4
Women	1.6	-0.7	-0.8	-0.1	0.8	-0.8

TOPIC 4: TOTAL FACTOR PRODUCTIVITY

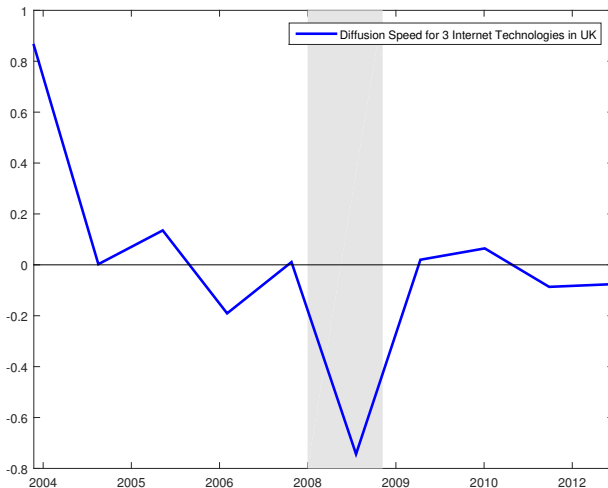


DECLINING IP INVESTMENT

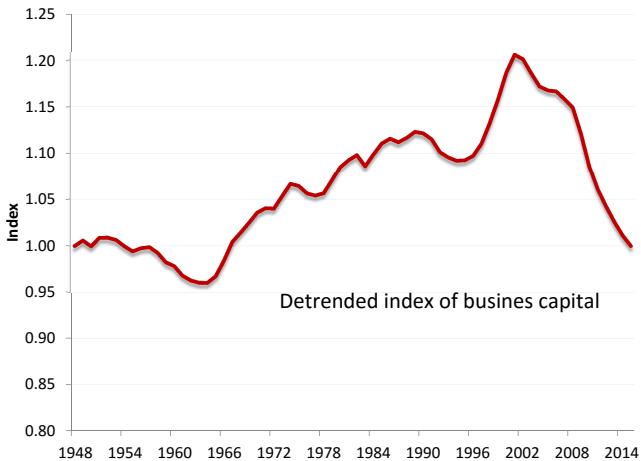


TECHNOLOGY DIFFUSION IS SENSITIVE TO MACRO CONDITIONS

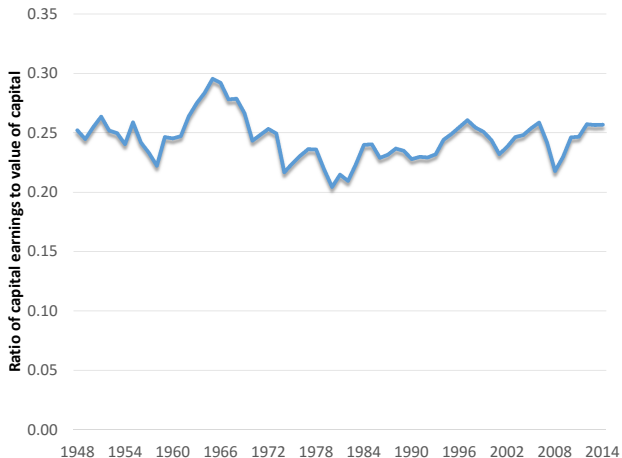
FROM ANZOATEGUI ET AL.



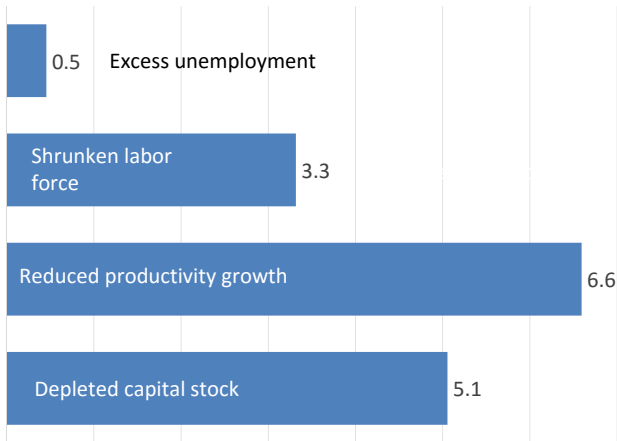
TOPIC 5: CAPITAL DEPLETION



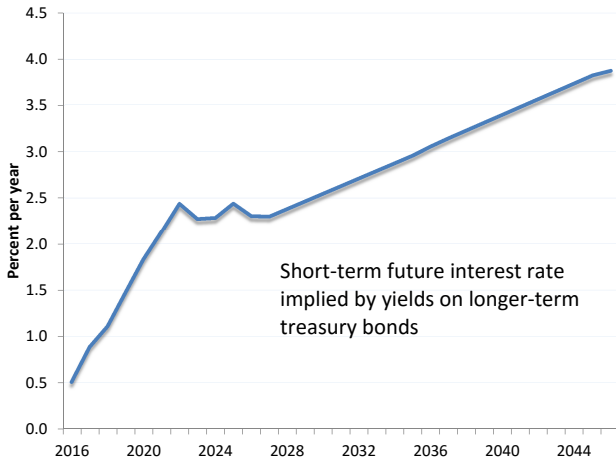
BUSINESS EARNINGS AS A RATIO TO THE VALUE OF CAPITAL



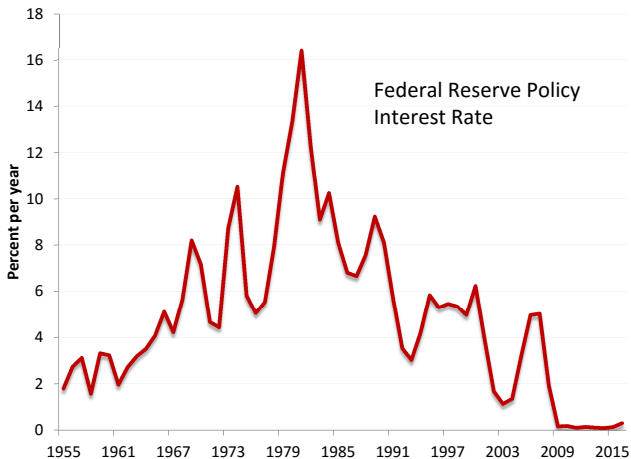
ALLOCATION OF 15.4 PERCENTAGE POINTS OF SHORTFALL IN REAL GDP, 2015



TOPIC 6: THE LOWER BOUND ON THE NOMINAL INTEREST RATE



MONETARY POLICY HAS MUCH LESS SCOPE FOR STIMULUS



SOURCES

- ▶ Diego Anzoategui, Diego Comin, Mark Gertler, and Joseba Martinez, “Endogenous Technology Adoption and R&D as Sources of Business Cycle Persistence”, February 2016
- ▶ Robert Hall, “High Discounts and High Unemployment”, “Understanding the Decline in the Safe Real Interest Rate”, “Macroeconomics of Persistent Slumps” (chapter for new *Handbook of Macroeconomics*)
- ▶ Robert Hall and Nicolas Petrosky-Nadeau, “Changes in Labor Participation and Household Income”, *FRBSF Economic Letter* 2016-02, February 2016

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