

# Economic History and Innovation

## A Review of Readings

Ashwin Iyengar

Corporate Strategy and Policy  
Indian Institute of Management Bangalore

07 January, 2017

# Outline

Overview

Mokyr (2010)

Moser (2013)

Schumpeter (1947)

Stepping Back

Assessing the landscape

# Economic History and Innovation

See if you can slot these into a 2x2 or similar

- Mokyr (2010)
- Schumpeter (1947)
- Moser (2013)
- Temin (1997)
- Epstein (1998)
- Gray (2013)
- Khan and Sokoloff (2001)
- Khan and Sokoloff (1993)
- Khan and Sokoloff (2004)

# The Contribution of Economic History to the Study of Innovation and Technical Change

## Summary

- one

# The Contribution of Economic History to the Study of Innovation and Technical Change

## Summary

- one
- two

# The Contribution of Economic History to the Study of Innovation and Technical Change

## Summary

- one
- two
- three

# The Contribution of Economic History to the Study of Innovation and Technical Change

Technology and economic modernity

- focus on a critique of the major points

# The Contribution of Economic History to the Study of Innovation and Technical Change

Technology and economic modernity

- focus on a critique of the major points
- both highlights and criticisms, alternative explanations



# The Contribution of Economic History to the Study of Innovation and Technical Change

Technology and economic modernity

- focus on a critique of the major points
- both highlights and criticisms, alternative explanations
- three

# The Contribution of Economic History to the Study of Innovation and Technical Change

## Technology in a "Malthusian Economy"

- focus on a critique of the major points

# The Contribution of Economic History to the Study of Innovation and Technical Change

## Technology in a "Malthusian Economy"

- focus on a critique of the major points
- both highlights and criticisms, alternative explanations

# The Contribution of Economic History to the Study of Innovation and Technical Change

## Technology in a "Malthusian Economy"

- focus on a critique of the major points
- both highlights and criticisms, alternative explanations
- three

# The Contribution of Economic History to the Study of Innovation and Technical Change

A new approach in the first industrial revolution

- one

# The Contribution of Economic History to the Study of Innovation and Technical Change

A new approach in the first industrial revolution

- one
- two

# The Contribution of Economic History to the Study of Innovation and Technical Change

A new approach in the first industrial revolution

- one
- two
- three

# The Contribution of Economic History to the Study of Innovation and Technical Change

The transition to modern growth, 1830-1880

- focus on a critique of the major points



# The Contribution of Economic History to the Study of Innovation and Technical Change

The transition to modern growth, 1830-1880

- focus on a critique of the major points
- both highlights and criticisms, alternative explanations

# The Contribution of Economic History to the Study of Innovation and Technical Change

The transition to modern growth, 1830-1880

- focus on a critique of the major points
- both highlights and criticisms, alternative explanations
- three

# The Contribution of Economic History to the Study of Innovation and Technical Change

The second industrial revolution

- focus on a critique of the major points

# The Contribution of Economic History to the Study of Innovation and Technical Change

The second industrial revolution

- focus on a critique of the major points
- both highlights and criticisms, alternative explanations

# The Contribution of Economic History to the Study of Innovation and Technical Change

The second industrial revolution

- focus on a critique of the major points
- both highlights and criticisms, alternative explanations
- three

# The Contribution of Economic History to the Study of Innovation and Technical Change

A suggested interpretation

- focus on a critique of the major points

# The Contribution of Economic History to the Study of Innovation and Technical Change

A suggested interpretation

- focus on a critique of the major points
- both highlights and criticisms, alternative explanations

# The Contribution of Economic History to the Study of Innovation and Technical Change

A suggested interpretation

- focus on a critique of the major points
- both highlights and criticisms, alternative explanations
- three



# Patents and Innovation: Evidence from Economic History

## Summary

- one

# Patents and Innovation: Evidence from Economic History

## Summary

- one
- two

# Patents and Innovation: Evidence from Economic History

## Summary

- one
- two
- three

# Patents and Innovation: Evidence from Economic History

## Patent laws and the rate of innovation

- one

# Patents and Innovation: Evidence from Economic History

## Patent laws and the rate of innovation

- one
- two

# Patents and Innovation: Evidence from Economic History

## Patent laws and the rate of innovation

- one
- two
- three

# Patents and Innovation: Evidence from Economic History

## Plant patents in 1930 and innovation

- one

# Patents and Innovation: Evidence from Economic History

Plant patents in 1930 and innovation

- one
- two



# Patents and Innovation: Evidence from Economic History

Plant patents in 1930 and innovation

- one
- two
- three

# Patents and Innovation: Evidence from Economic History

## Secrecy and the direction of technical change

- one

# Patents and Innovation: Evidence from Economic History

## Secrecy and the direction of technical change

- one
- two

# Patents and Innovation: Evidence from Economic History

## Secrecy and the direction of technical change

- one
- two
- three

# Patents and Innovation: Evidence from Economic History

## Diffusion of innovation

- one

# Patents and Innovation: Evidence from Economic History

## Diffusion of innovation

- one
- two

# Patents and Innovation: Evidence from Economic History

## Diffusion of innovation

- one
- two
- three

# Patents and Innovation: Evidence from Economic History

Patent pools and the mechanism to modify patent laws

- one



# Patents and Innovation: Evidence from Economic History

Patent pools and the mechanism to modify patent laws

- one
- two

# Patents and Innovation: Evidence from Economic History

Patent pools and the mechanism to modify patent laws

- one
- two
- three

# Patents and Innovation: Evidence from Economic History

## Compulsory Licensing

- one

# Patents and Innovation: Evidence from Economic History

## Compulsory Licensing

- one
- two

# Patents and Innovation: Evidence from Economic History

## Compulsory Licensing

- one
- two
- three

# Patents and Innovation: Evidence from Economic History

## Conclusion

- one

# Patents and Innovation: Evidence from Economic History

## Conclusion

- one
- two

# Patents and Innovation: Evidence from Economic History

## Conclusion

- one
- two
- three



# The Creative Response in Economic History

## Summary

- one

# The Creative Response in Economic History

## Summary

- one
- two

# The Creative Response in Economic History

## Summary

- one
- two
- three



# Outline

Overview

Mokyr (2010)

Moser (2013)

Schumpeter (1947)

Stepping Back

Assessing the landscape

# Perspectives

- one

- Epstein, S. R. (1998). Craft guilds, apprenticeship, and technological change in preindustrial europe. *The Journal of Economic History*, 58(3):684–713.
- Gray, R. (2013). Taking technology to task: The skill content of technological change in early twentieth century united states. *Explorations in Economic History*, 50(3):351 – 367.
- Khan, B. Z. and Sokoloff, K. L. (1993). "schemes of practical utility": Entrepreneurship and innovation among "great inventors" in the united states, 1790-1865. *The Journal of Economic History*, 53(2):289–307.
- Khan, B. Z. and Sokoloff, K. L. (2001). History lessons: The early development of intellectual property institutions in the united states. *The Journal of Economic Perspectives*, 15(3):233–246.
- Khan, B. Z. and Sokoloff, K. L. (2004). Institutions and democratic invention in 19th-century america: Evidence from "great inventors," 1790-1930. *The American Economic Review*, 94(2):395–401.

- Mokyr, J. (2010). Chapter 2 - the contribution of economic history to the study of innovation and technical change: 1750–1914. In Hall, B. H. and Rosenberg, N., editors, *Handbook of The Economics of Innovation, Vol. 1*, volume 1 of *Handbook of the Economics of Innovation*, pages 11 – 50. North-Holland.
- Moser, P. (2013). Patents and innovation: Evidence from economic history. *The Journal of Economic Perspectives*, 27(1):23–44.
- Schumpeter, J. A. (1947). The creative response in economic history. *The Journal of Economic History*, 7(2):149–159.
- Temin, P. (1997). Two views of the british industrial revolution. *The Journal of Economic History*, 57(1):63–82.