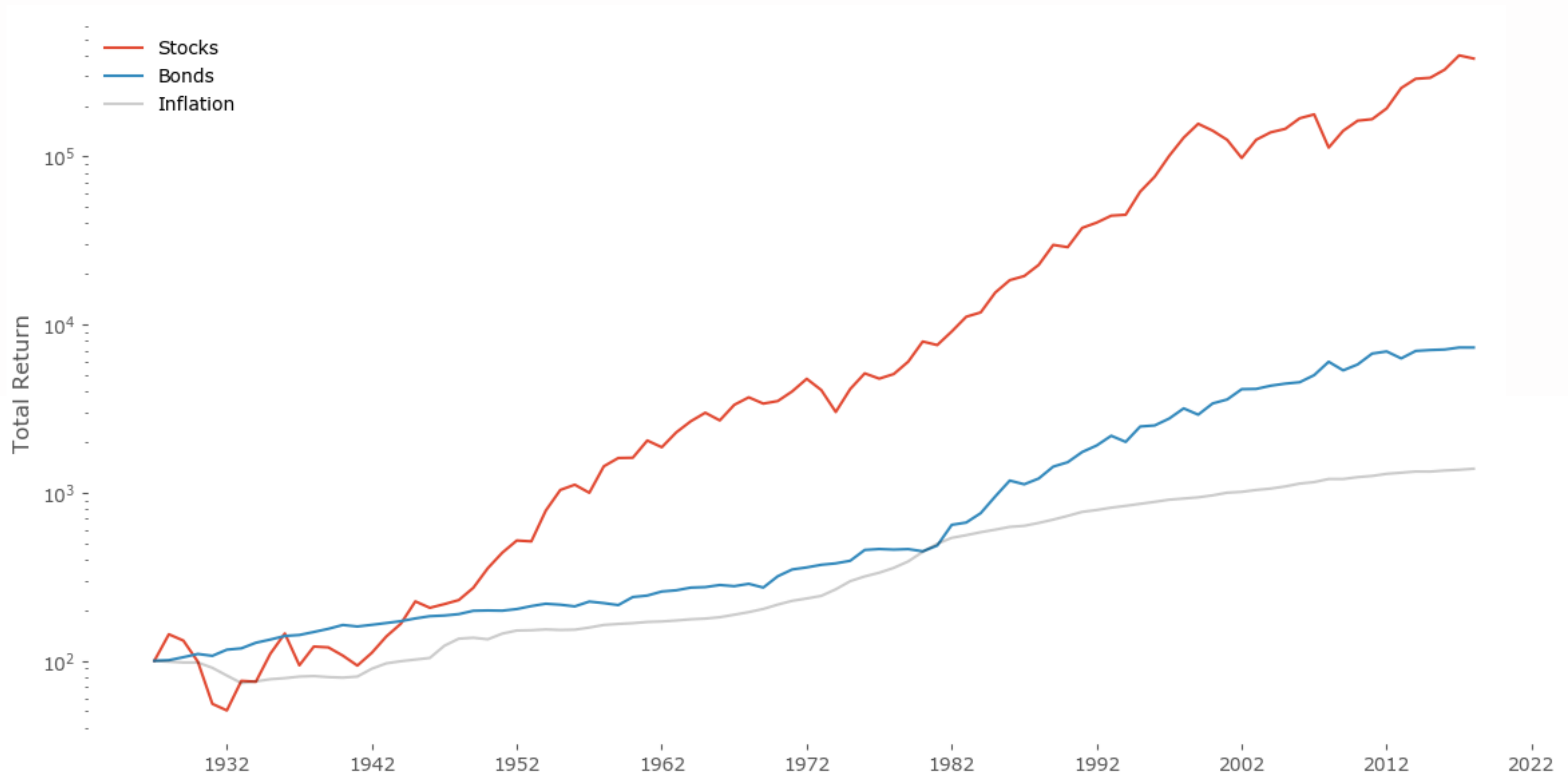


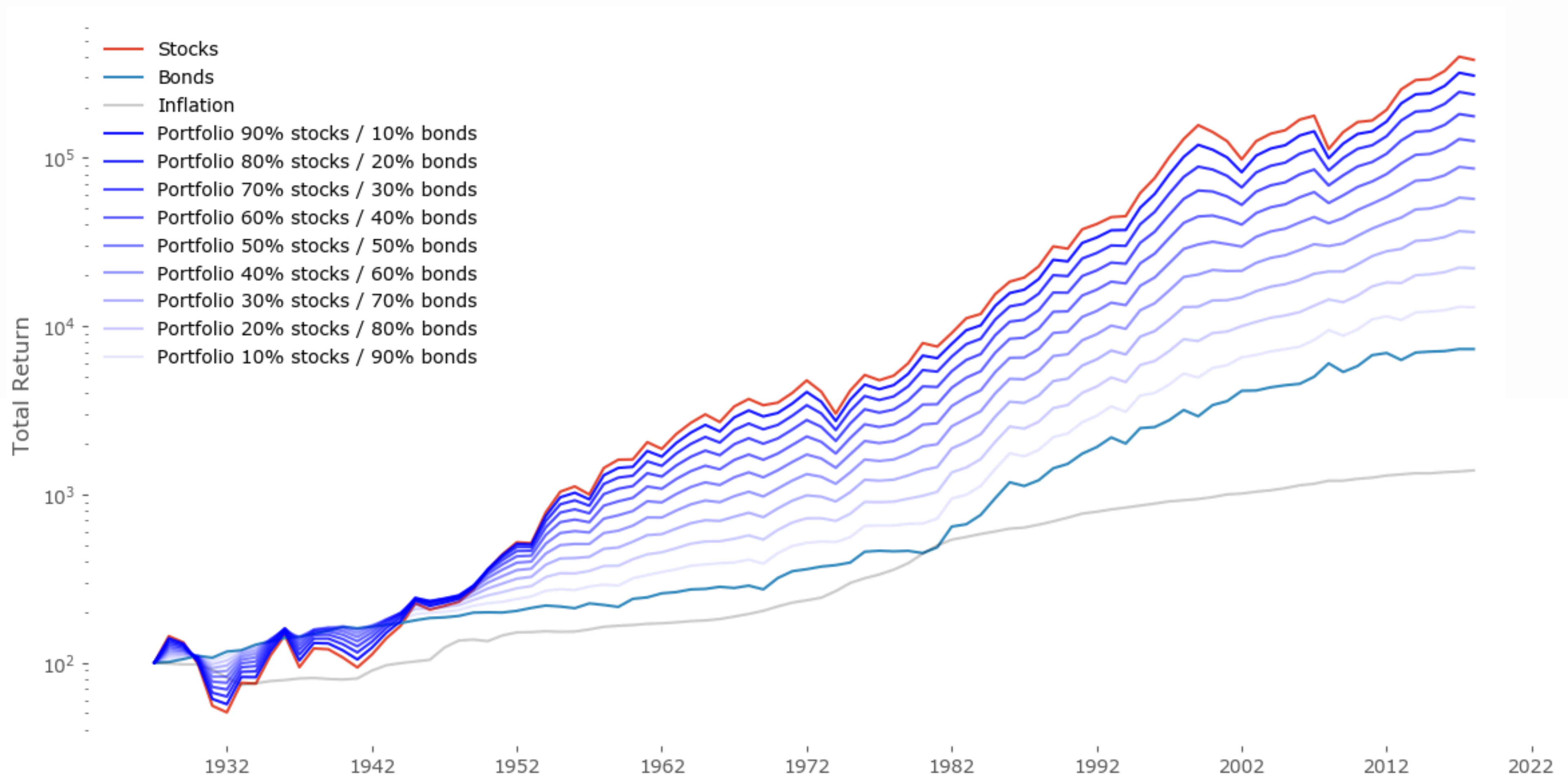
# 1. A Toy Model: the stock-bond portfolio



source data: [http://pages.stern.nyu.edu/~adamodar/New\\_Home\\_Page/datafile/histretSP.html](http://pages.stern.nyu.edu/~adamodar/New_Home_Page/datafile/histretSP.html)

The raw data for treasury bond and bill returns is obtained from the Federal Reserve database in St. Louis (FRED). The return on stocks includes both price appreciation and dividends. The treasury bond is the constant maturity 10-year bond, but the treasury bond return includes coupon and price appreciation.

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