

Incorporating Financial Stability Considerations into a Monetary Policy Framework

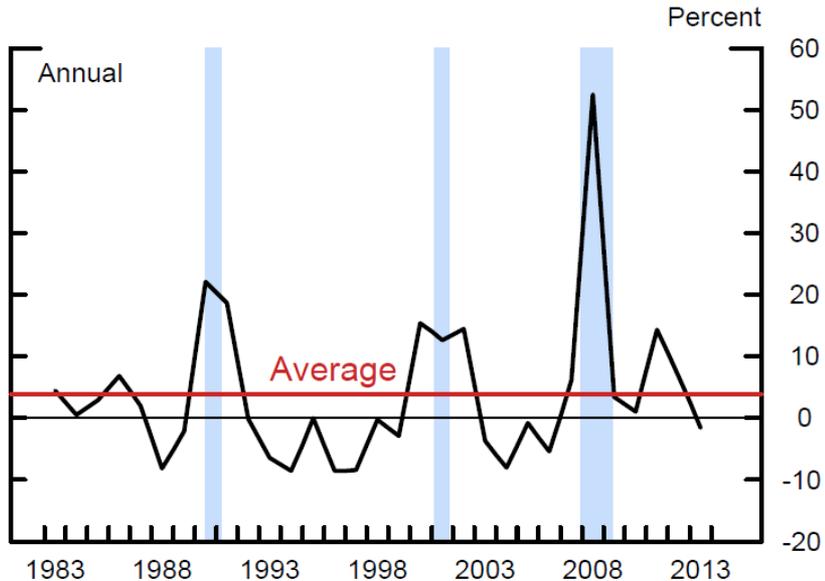
Jeremy C. Stein

Federal Reserve Board

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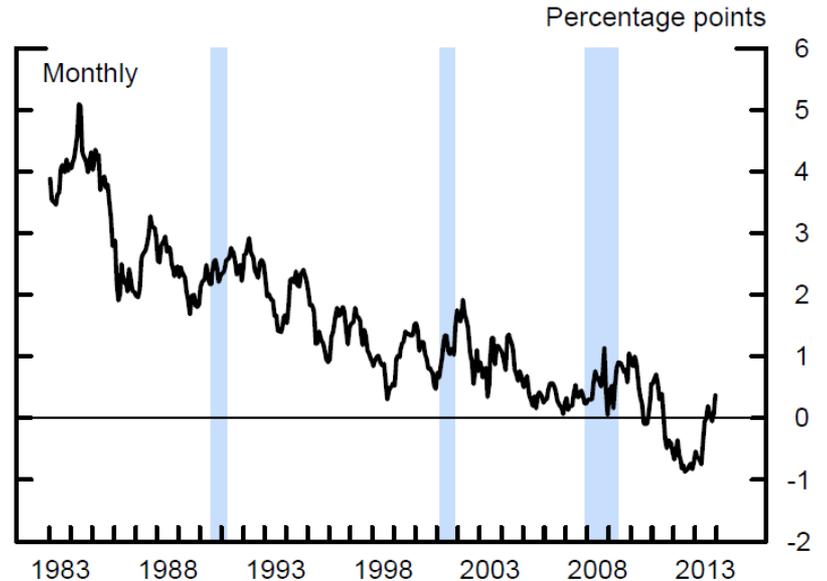
Figure 1

Credit risk premium



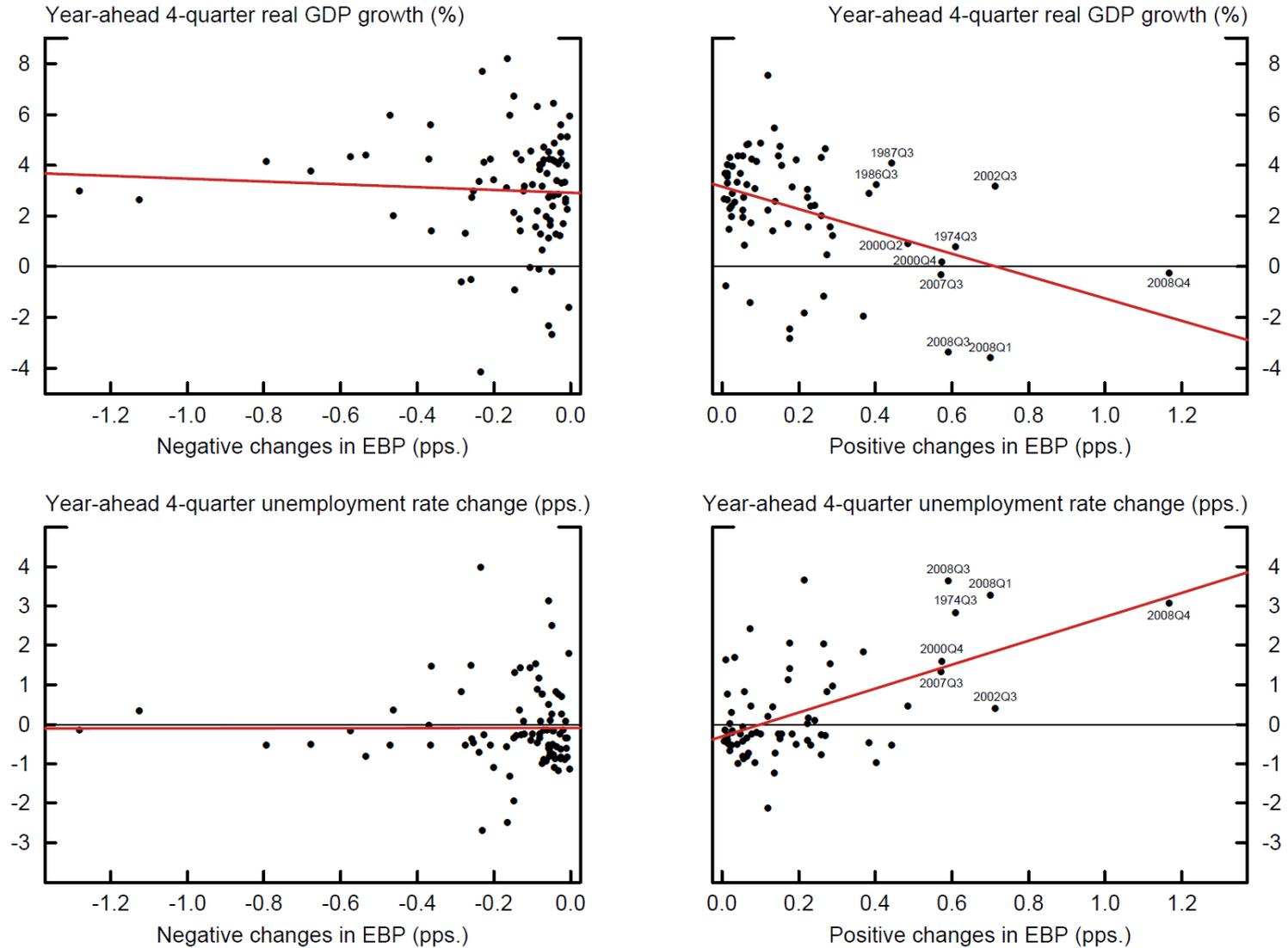
Note: This figure plots an estimate of the forward-looking credit risk premium, following the approach of Greenwood and Hanson (2013). The estimate is based on the fitted value from a regression of a 2-year-ahead excess return on high-yield bonds (relative to Treasury securities) on the log of the high-yield share and on the Baa credit spread.

Term premium



Note: This figure plots an estimate of the 10-year term premium based on the Kim and Wright (2005) latent three-factor Gaussian term structure model.

Figure 2: Excess Bond Premium (EBP), Economic Growth, and the Labor Market



Note: The left (right) chart in the middle panel depicts the relationship between year-ahead 4-quarter real GDP growth and negative (positive) quarterly changes in the EBP in quarter t . The left (right) chart in the bottom panel depicts the relationship between year-ahead 4-quarter change in the unemployment rate and negative (positive) quarterly changes in the EBP in quarter t .

Source: Gilchrist and Zakrajsek (2012) and author calculations based on data from the Bureau of Economic Analysis and the Bureau of Labor Statistics.

Table 1: Asymmetric Effects of Excess Bond Premium on Economic Activity

Explanatory Variables	Real GDP ^a	Unemployment Rate ^b
<i>Increases</i> in the EBP	−4.129*** (1.029)	2.724*** (0.821)
<i>Decreases</i> in the EBP	−0.261 (0.455)	−0.559 (0.406)
Real Treasury yield (2y)	0.144 (0.194)	−0.058 (0.074)
Term spread (10y/2y)	0.488* (0.289)	−0.446*** (0.130)
Asymmetry (increase − decrease)	−3.868*** (1.289)	3.283*** (0.996)
Adj. R^2	0.210	0.303

NOTE: Sample period: 1973:Q1 – 2012:Q4 (Obs. = 154). Entries in the table denote the OLS estimates of the coefficients associated with each financial indicator. Heteroskedasticity- and autocorrelation-consistent asymptotic standard errors are reported in parentheses. Statistical significance at the 10, 5, and 1 percent levels is denoted by *, **, and ***, respectively. In column (a), the dependent variable is the annualized growth rate of real GDP between quarters $t + 4$ and $t - 1$. In addition to the specified financial indicator in quarter t , each specification also includes a constant and 3 lags of (annualized) quarterly real GDP growth (not reported). In column (b), the dependent variable is the annualized change in the unemployment rate between quarters $t + 4$ and $t - 1$. In addition to the specified financial indicator in quarter t , each specification also includes a constant and 3 lags of (annualized) quarterly change in the unemployment rate (not reported).

SOURCE: Gilchrist and Zakrajsek (2012) and author calculations based on data from the Bureau of Economic Analysis and the Bureau of Labor Statistics.