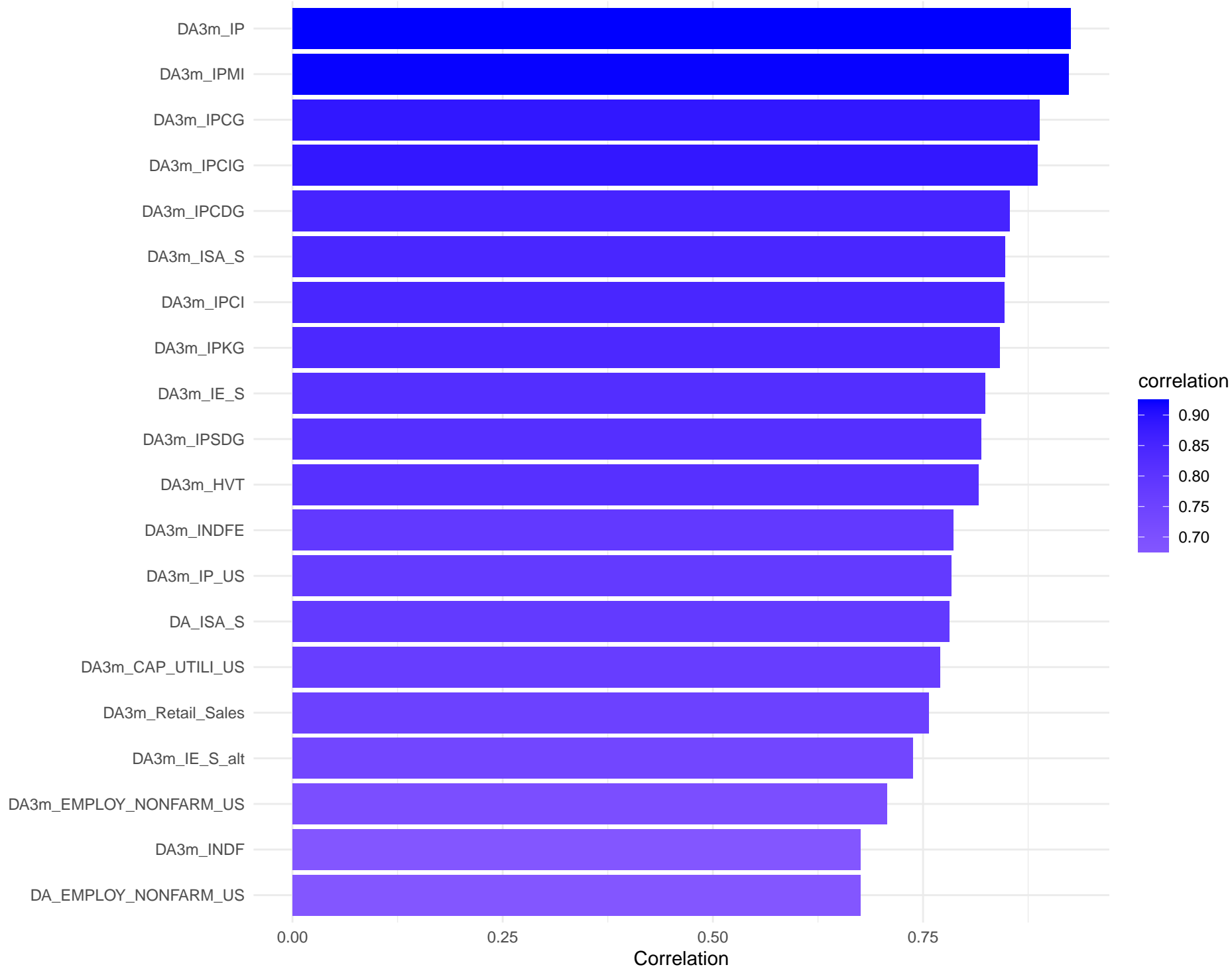


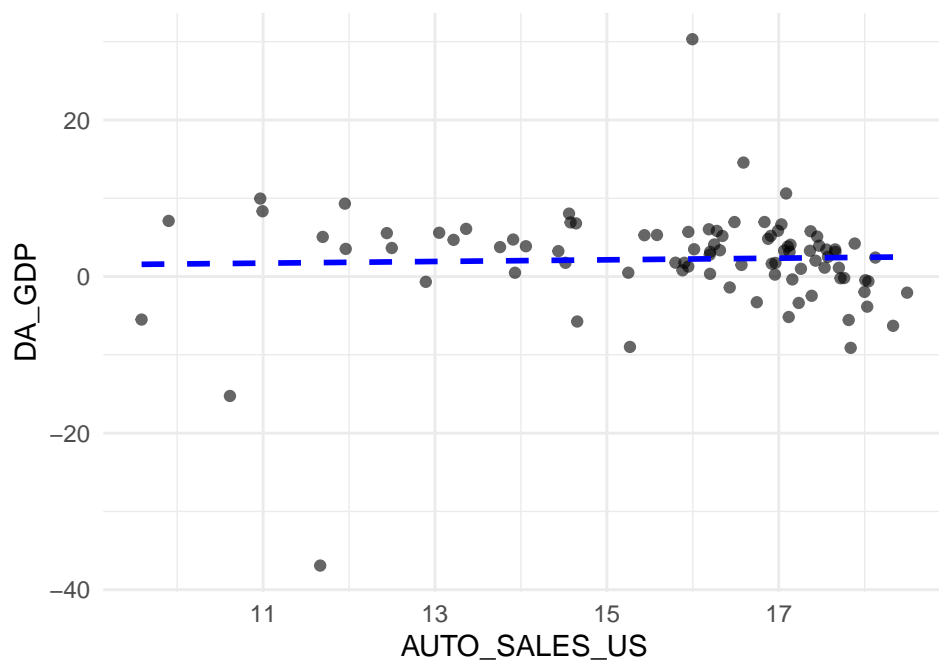
Top 20 Indicators Correlated with Target (Quarterly Aggregated)

Indicator

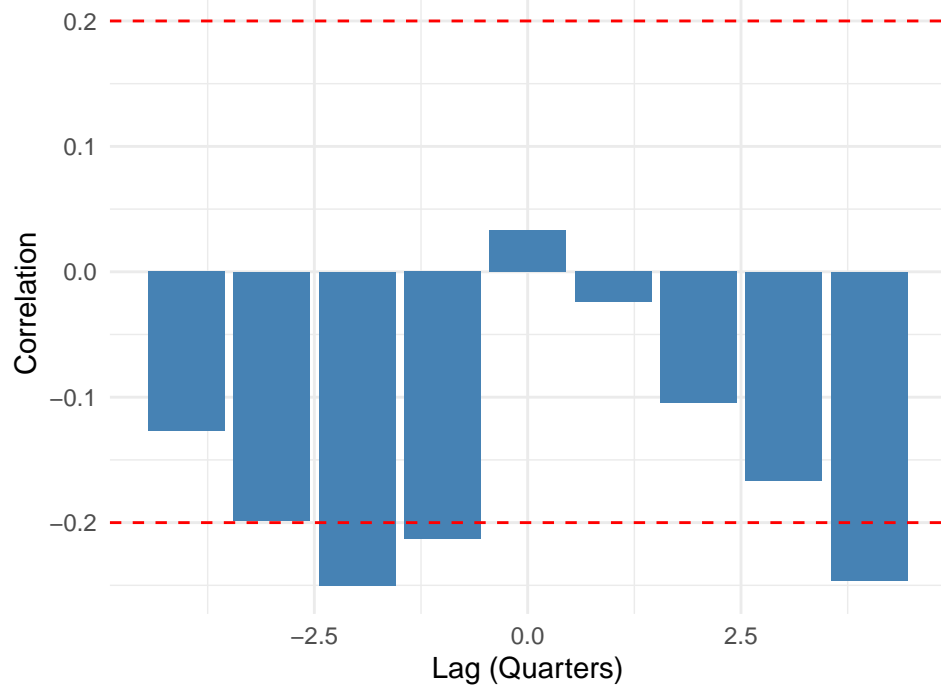


Scatter: AUTO\_SALES\_US vs Target

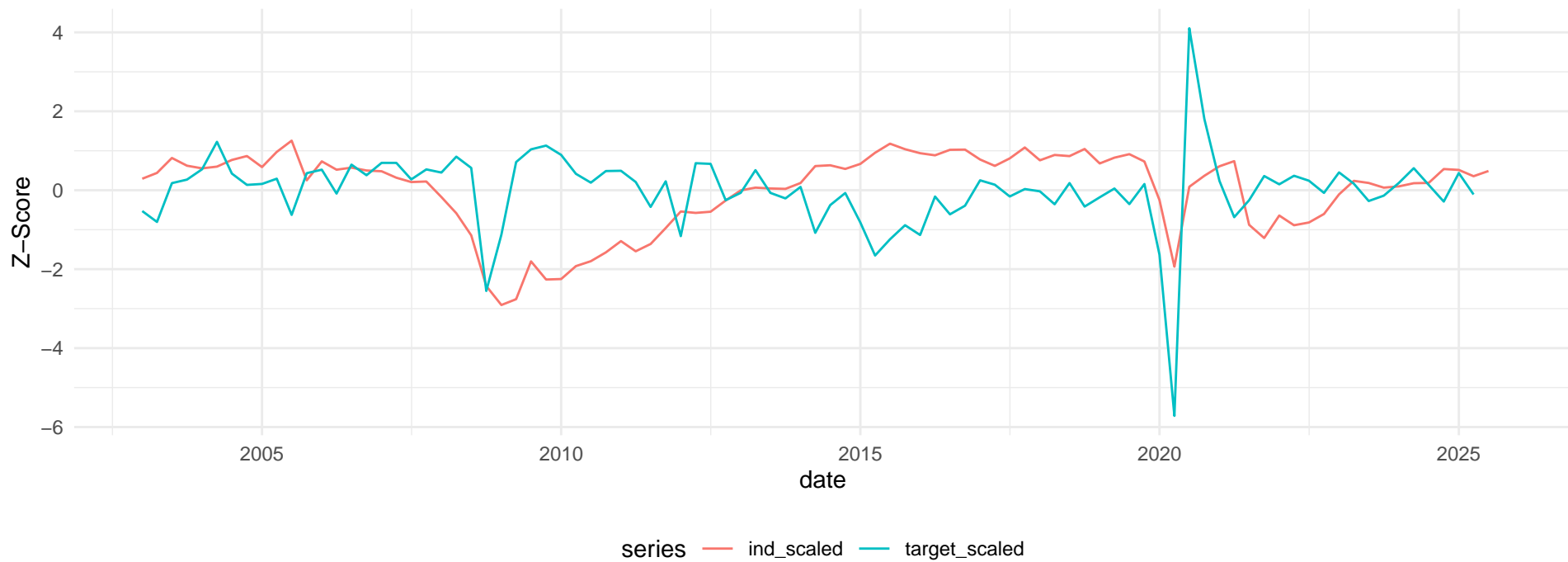
Corr: 0.03



Cross-Correlation (Quarterly Lags): AUTO\_SALES\_US

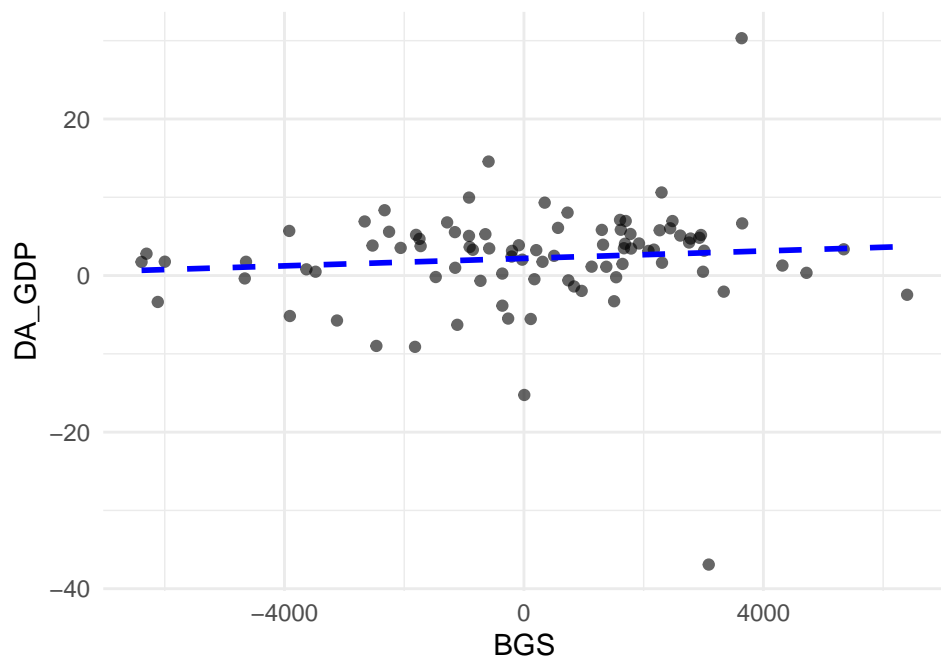


Standardized Time Series: AUTO\_SALES\_US

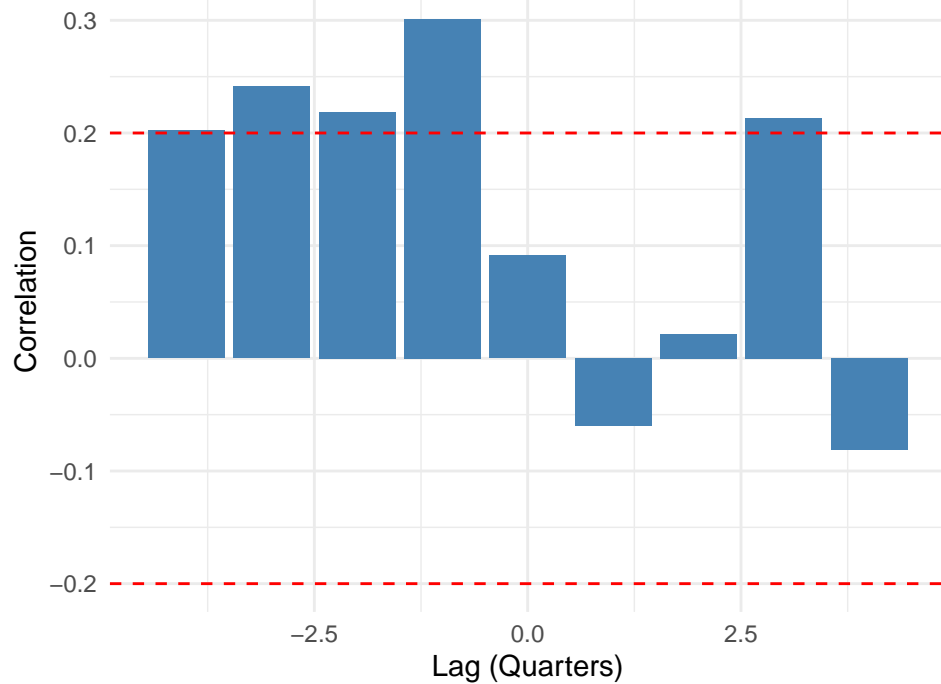


### Scatter: BGS vs Target

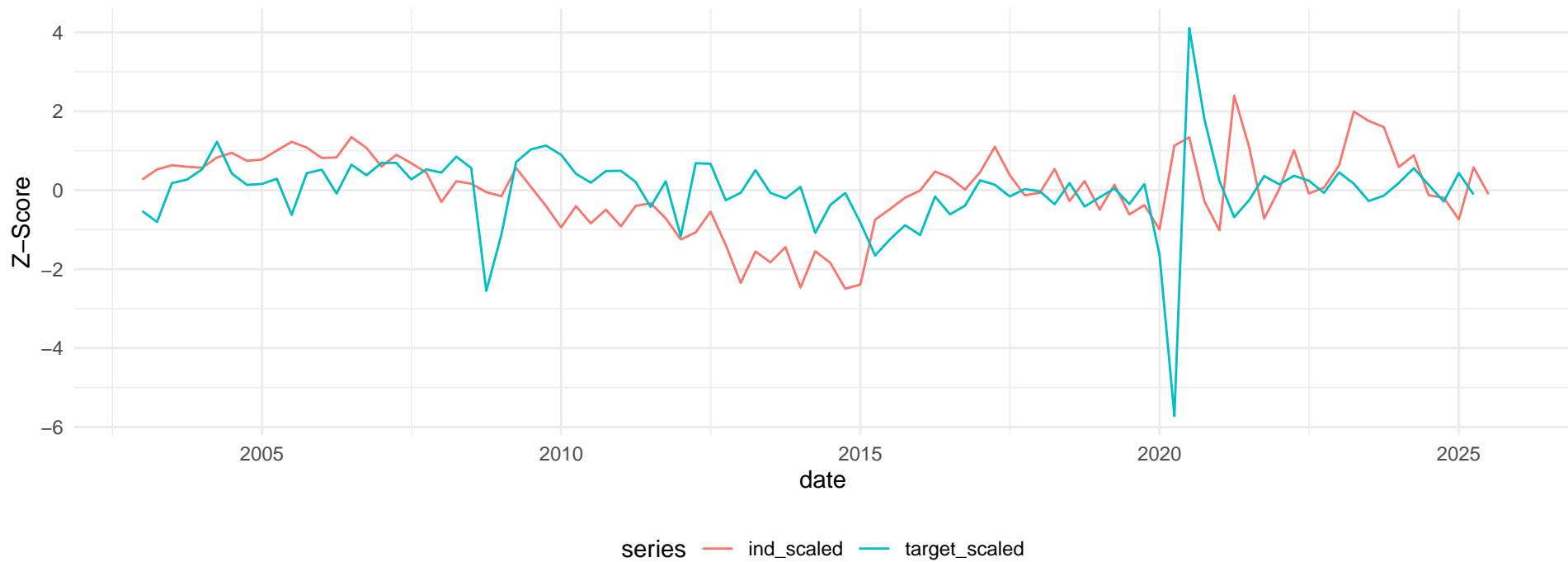
Corr: 0.09



### Cross-Correlation (Quarterly Lags): BGS

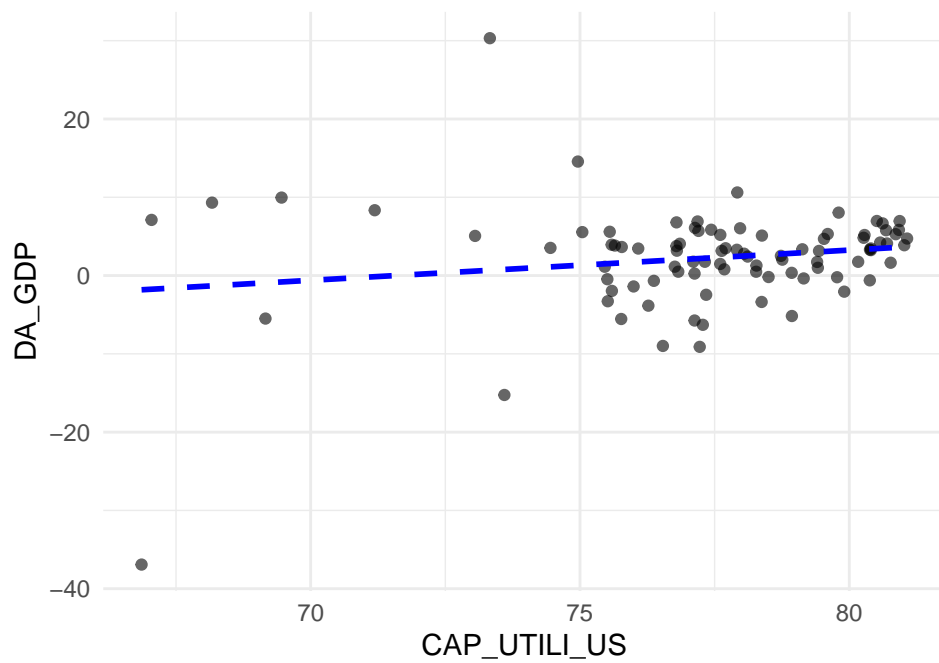


### Standardized Time Series: BGS

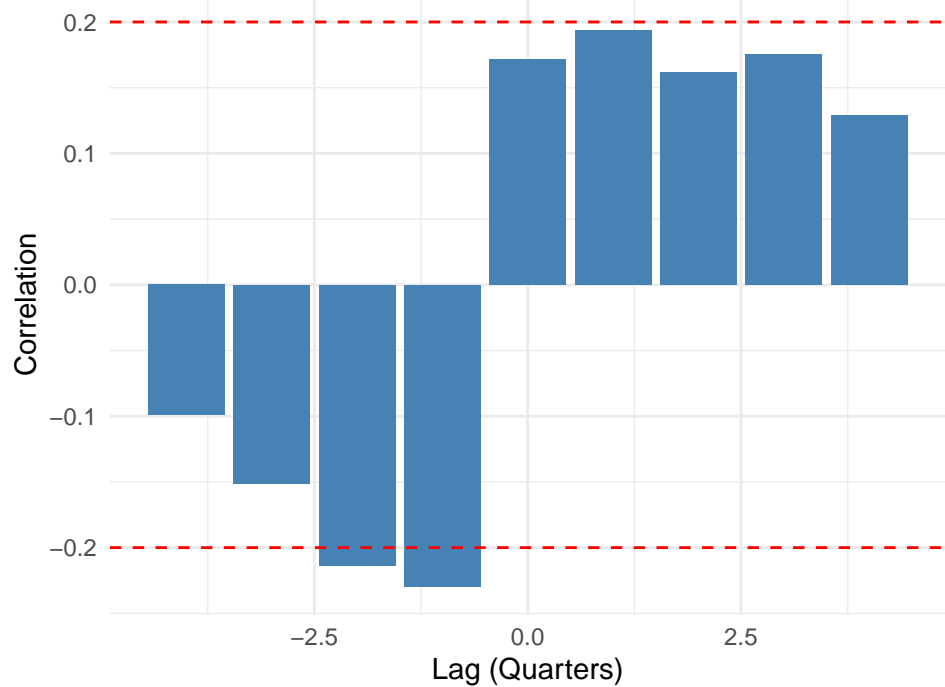


Scatter: CAP\_UTILI\_US vs Target

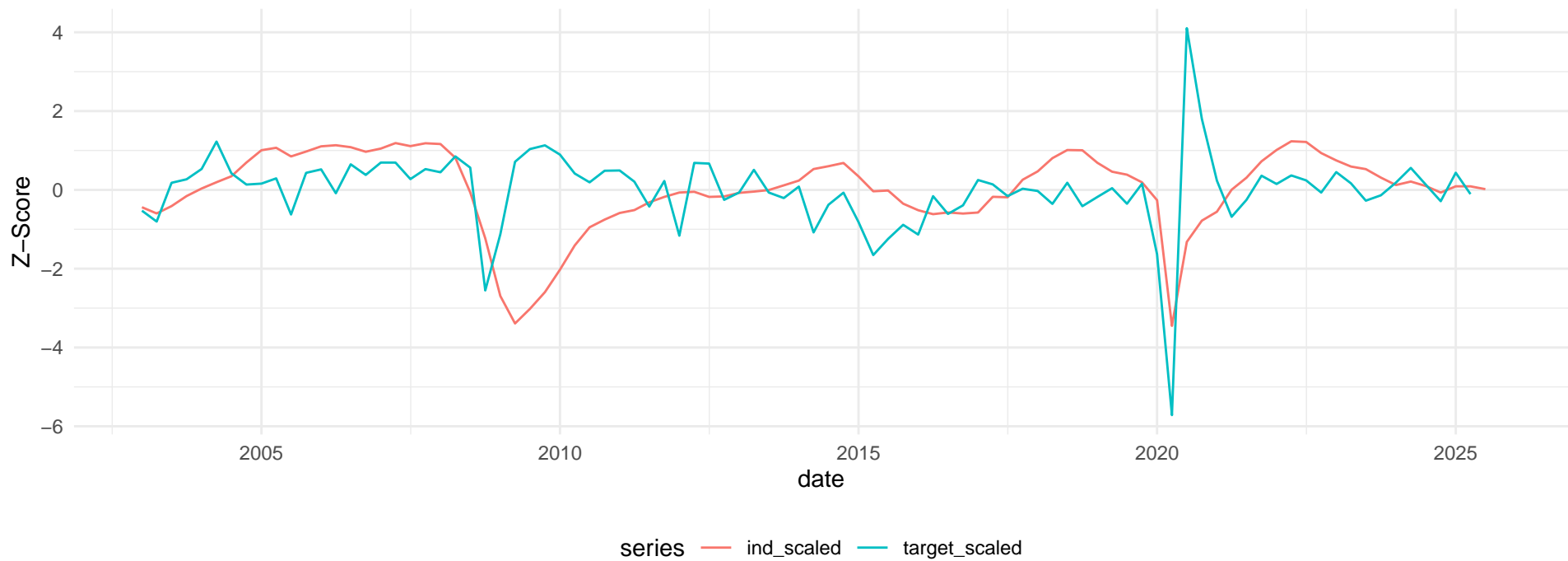
Corr: 0.17



Cross-Correlation (Quarterly Lags): CAP\_UTILI\_US

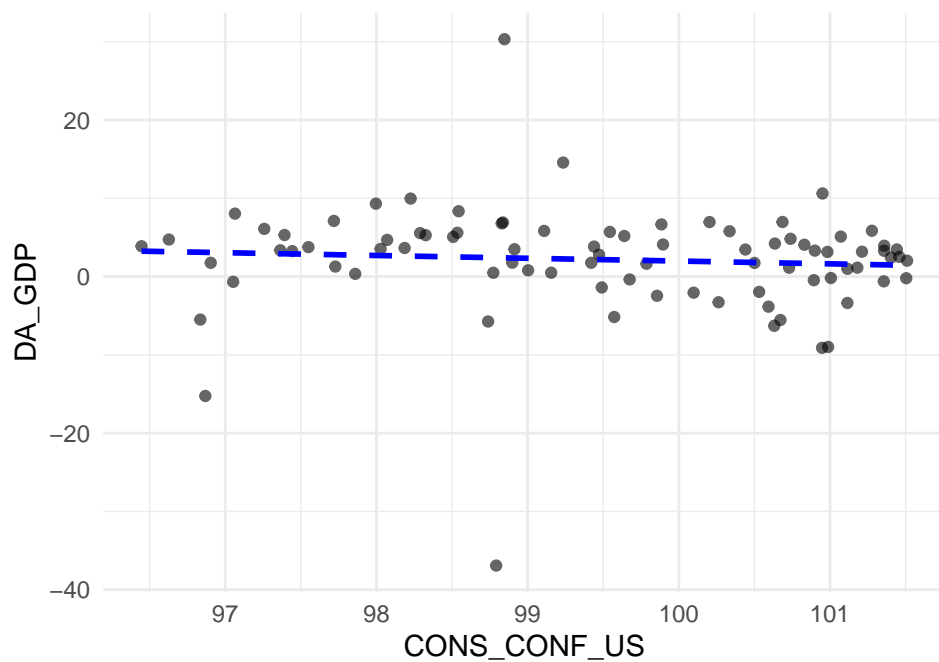


Standardized Time Series: CAP\_UTILI\_US

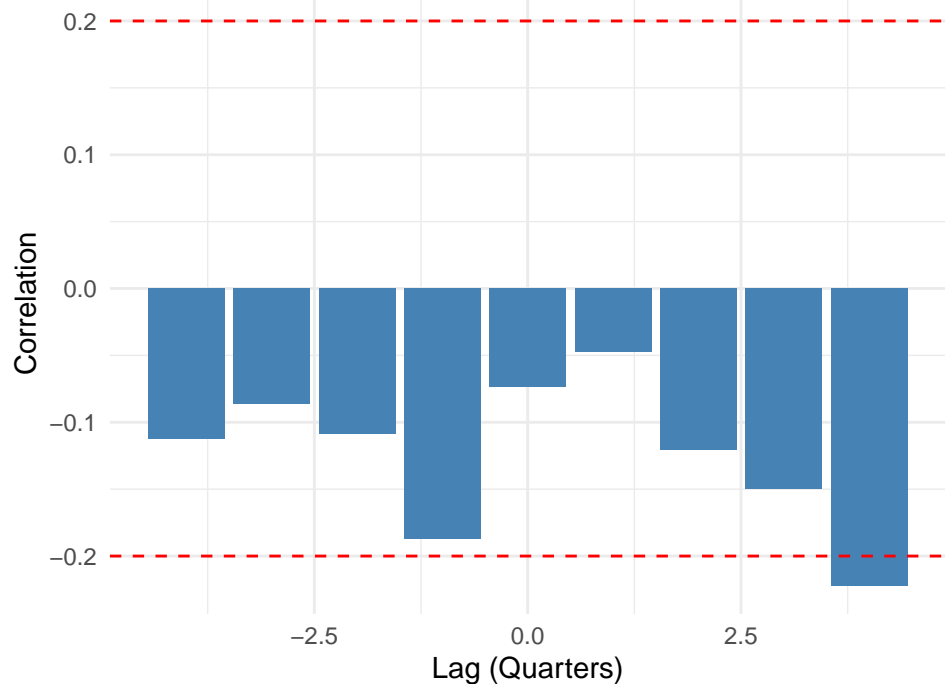


Scatter: CONS\_CONF\_US vs Target

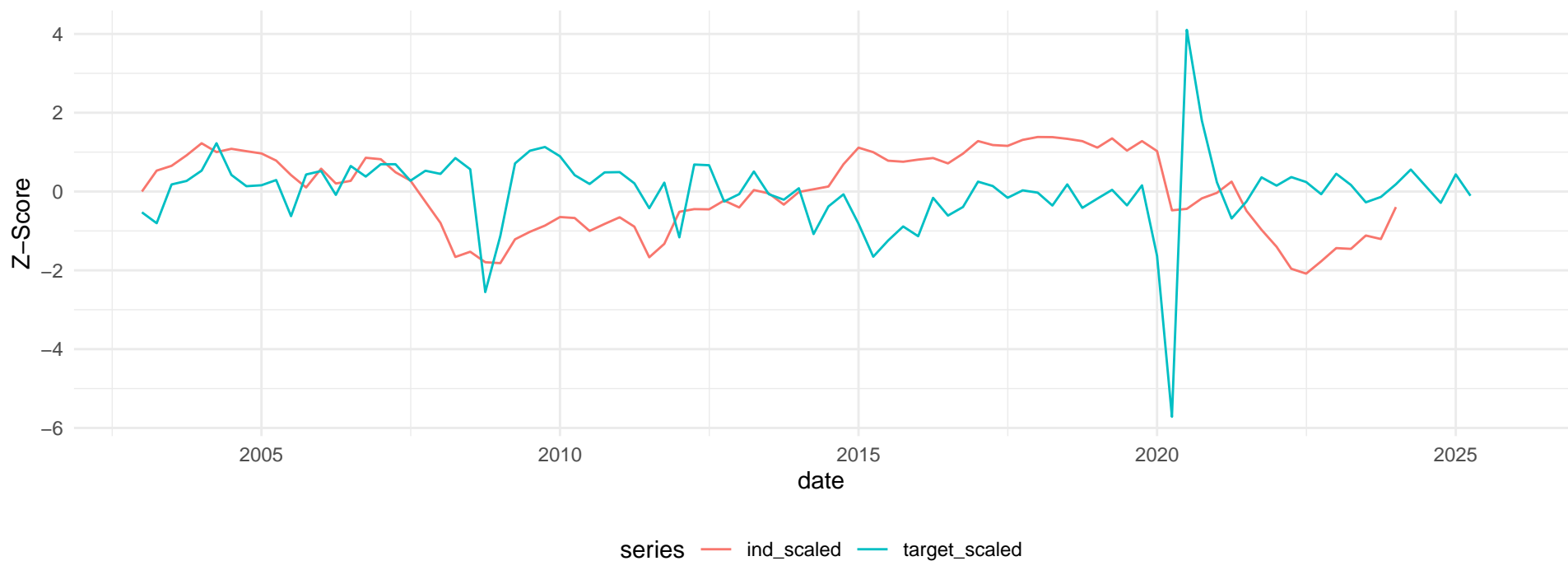
Corr: -0.07



Cross-Correlation (Quarterly Lags): CONS\_CONF\_US

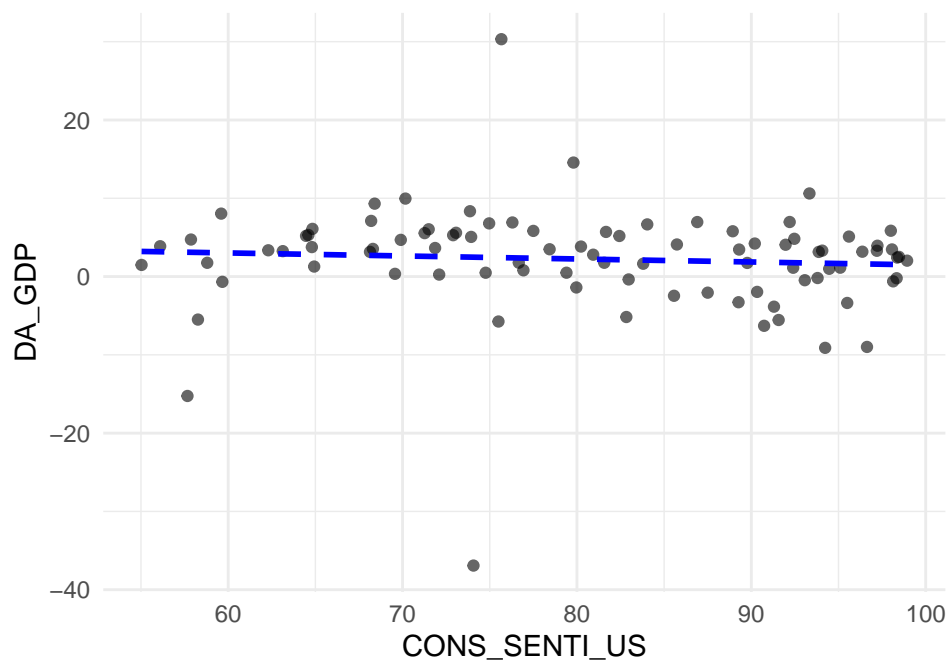


Standardized Time Series: CONS\_CONF\_US

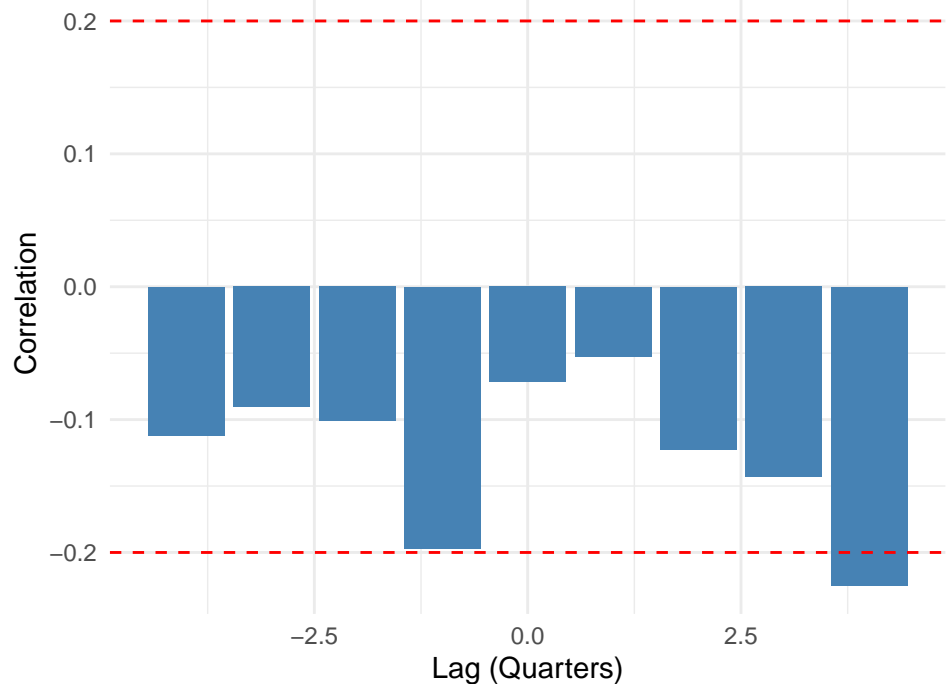


Scatter: CONS\_SENTI\_US vs Target

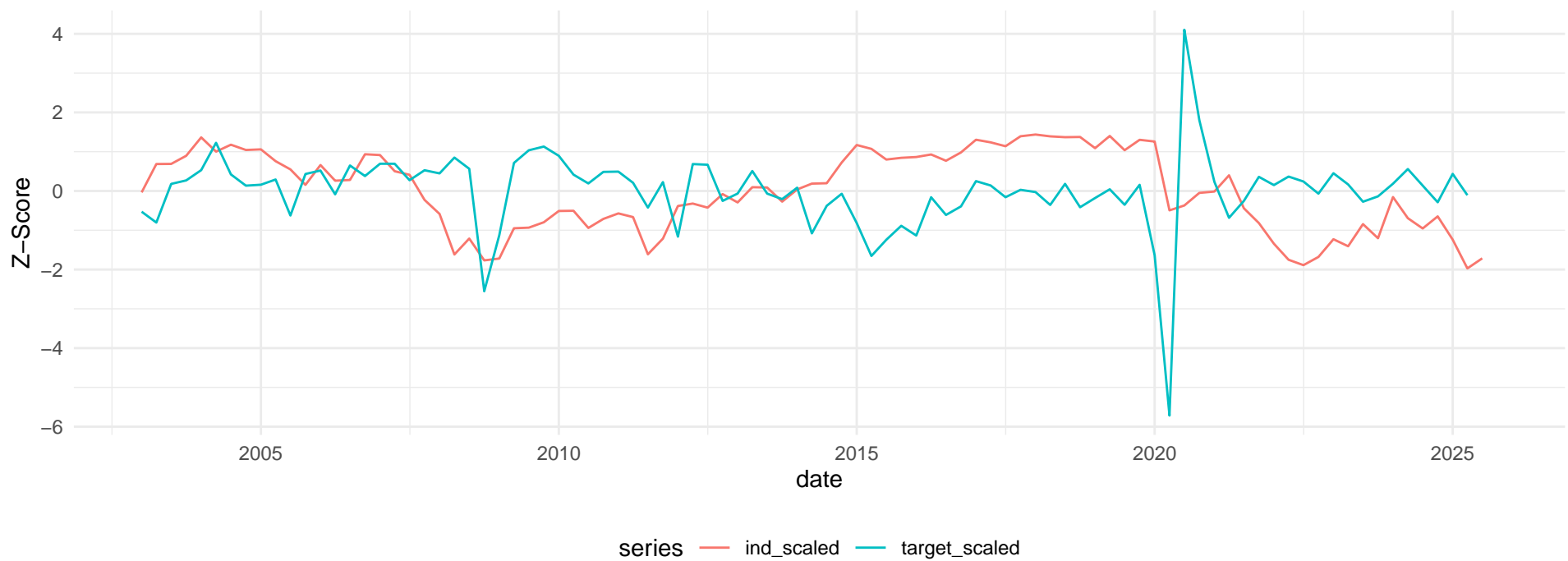
Corr: -0.07



Cross-Correlation (Quarterly Lags): CONS\_SENTI\_US

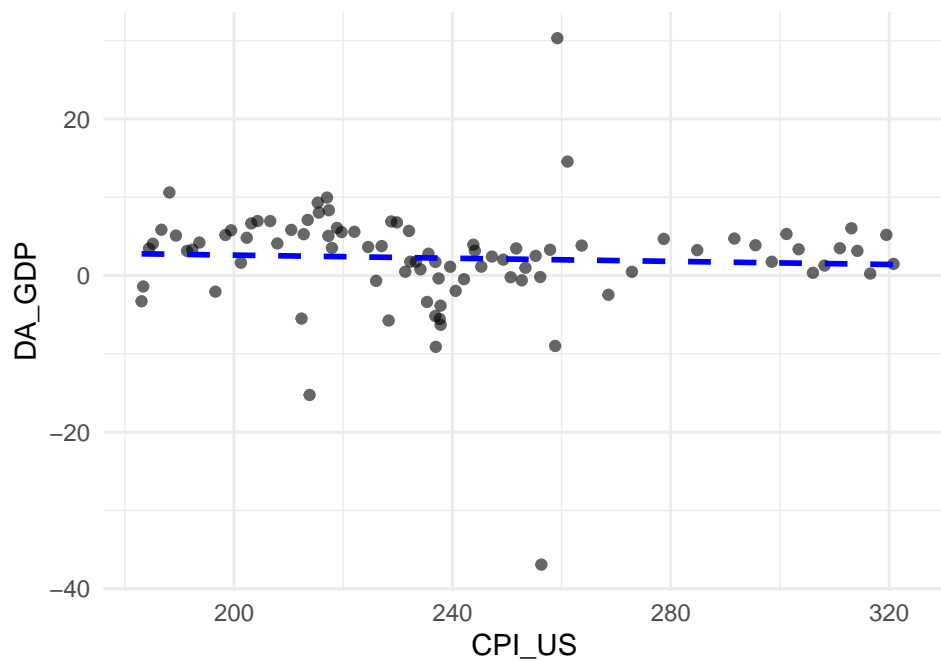


Standardized Time Series: CONS\_SENTI\_US

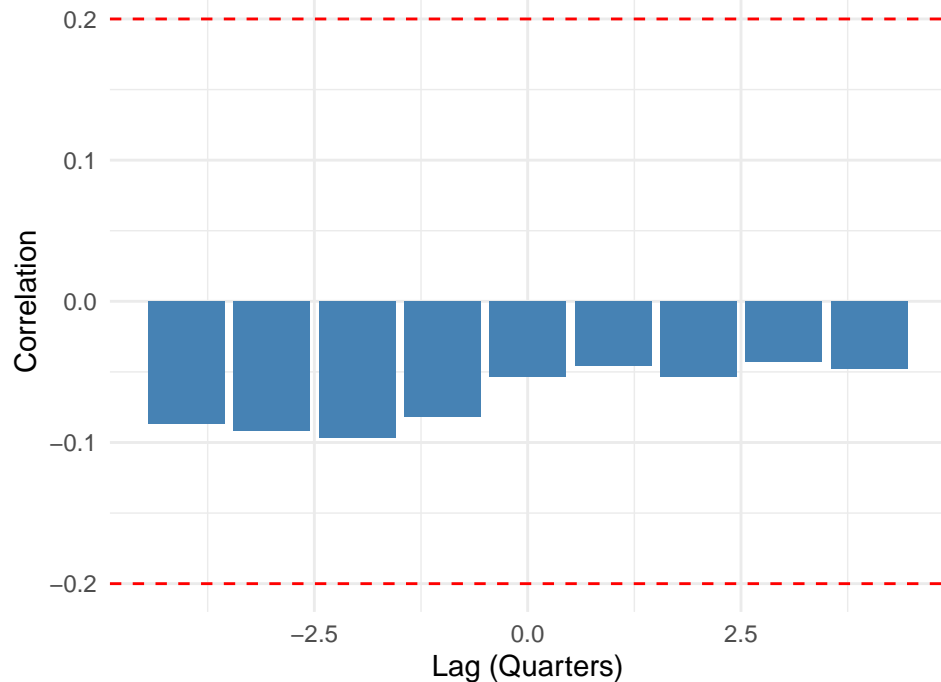


### Scatter: CPI\_US vs Target

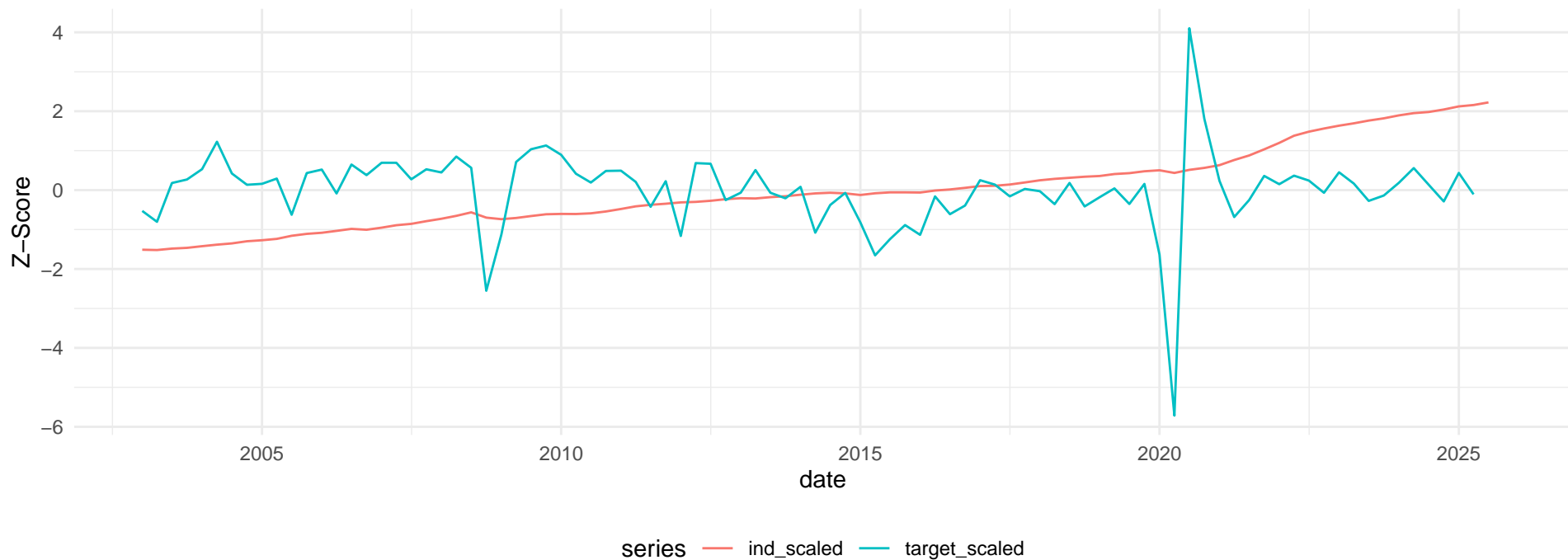
Corr: -0.05



### Cross-Correlation (Quarterly Lags): CPI\_US

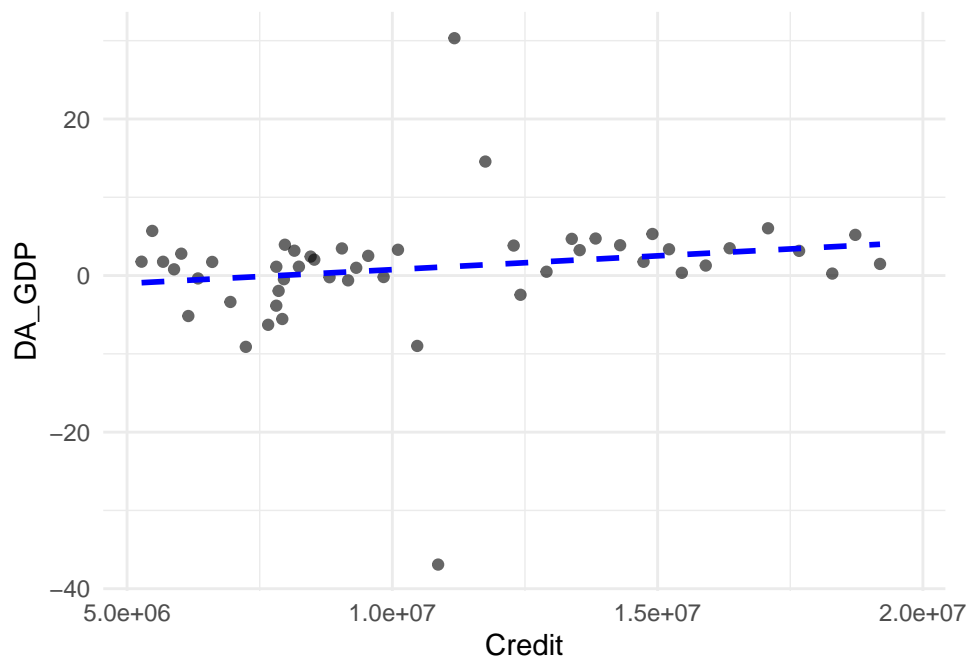


### Standardized Time Series: CPI\_US

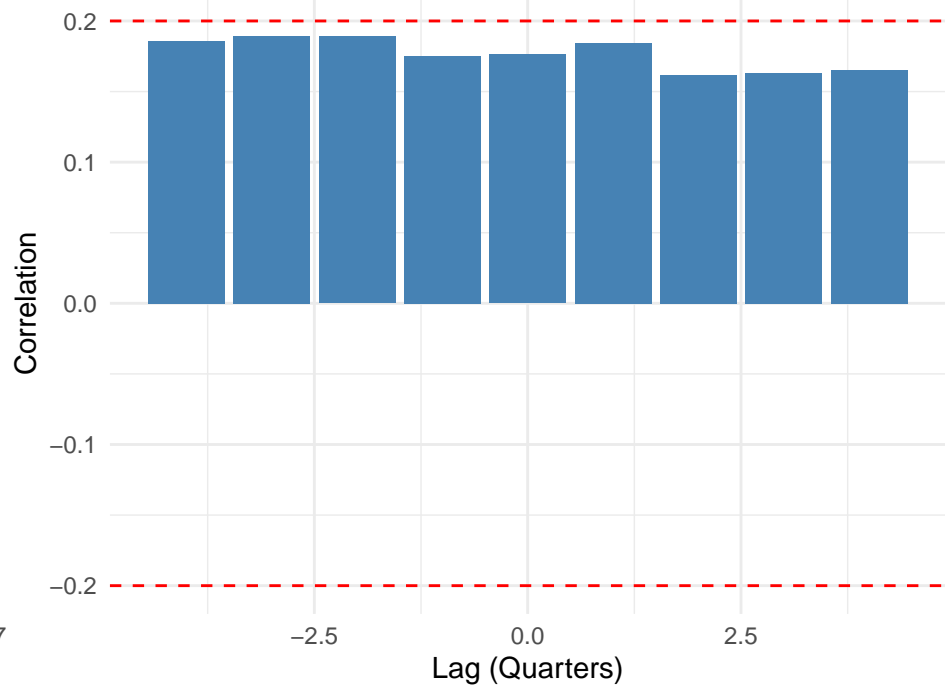


### Scatter: Credit vs Target

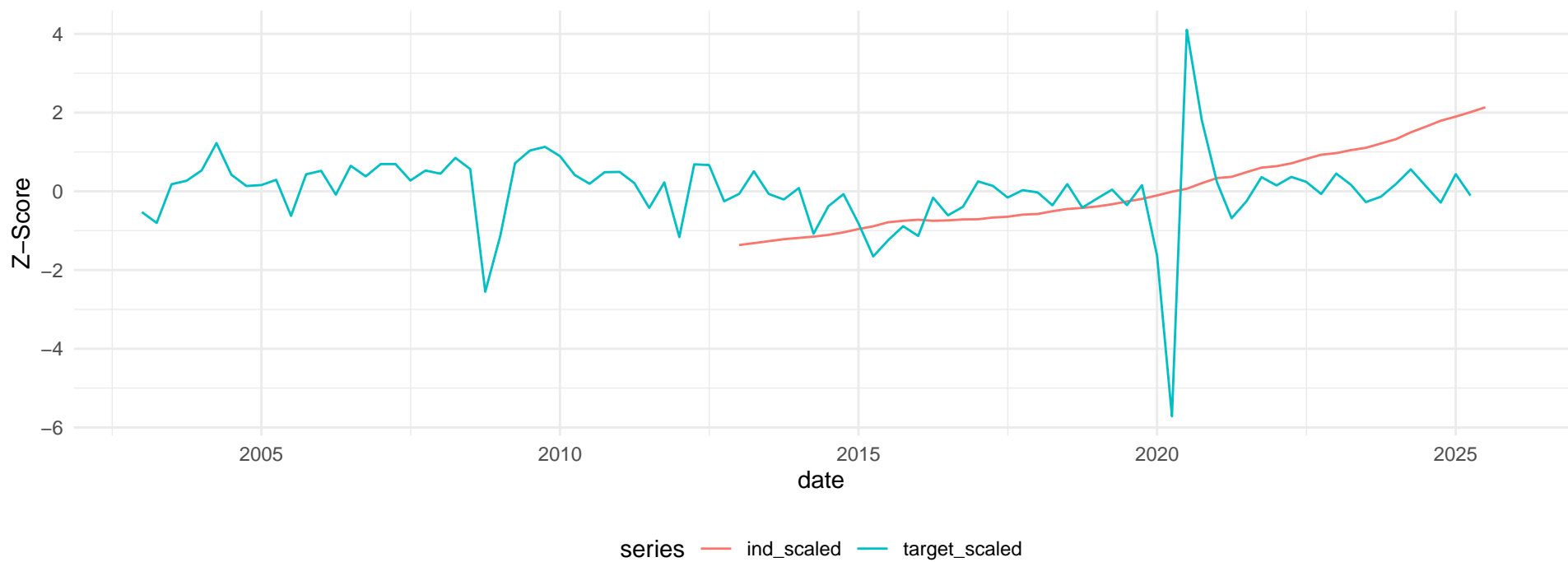
Corr: 0.18



### Cross-Correlation (Quarterly Lags): Credit



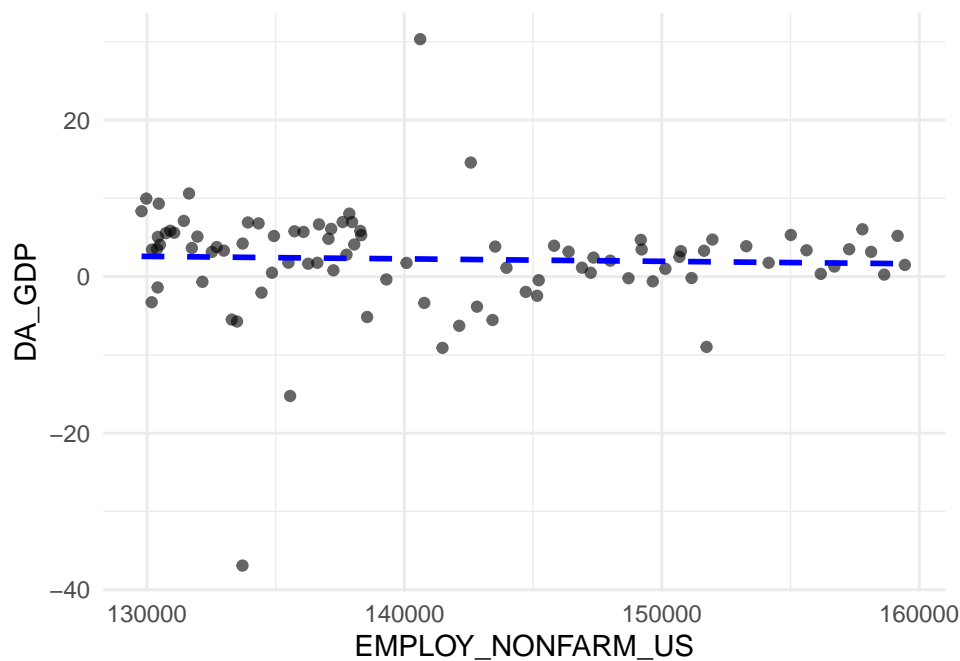
### Standardized Time Series: Credit



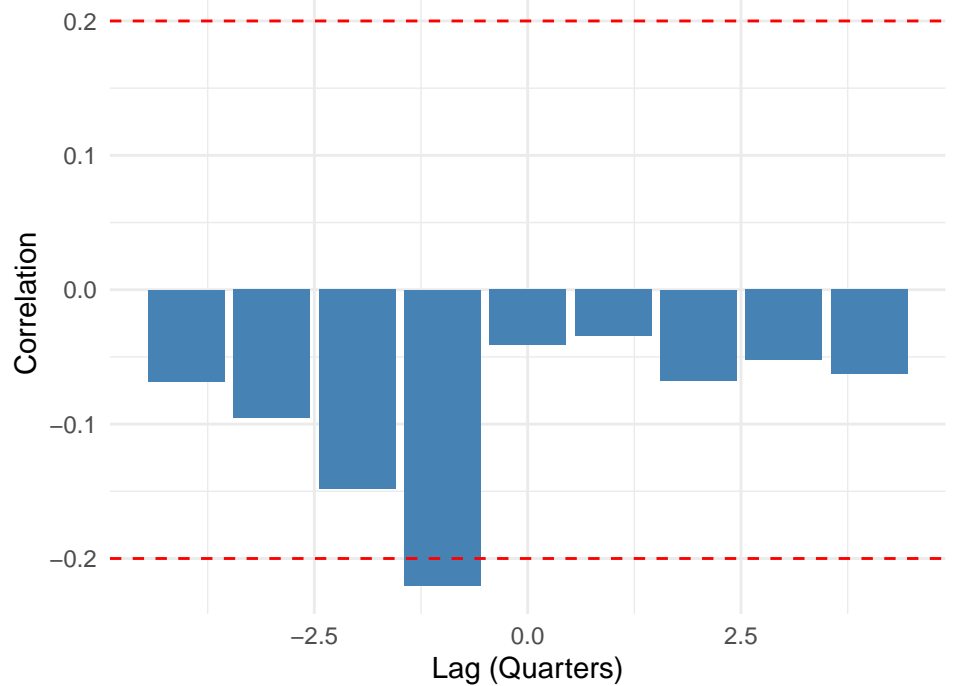


### Scatter: EMPLOY\_NONFARM\_US vs Target

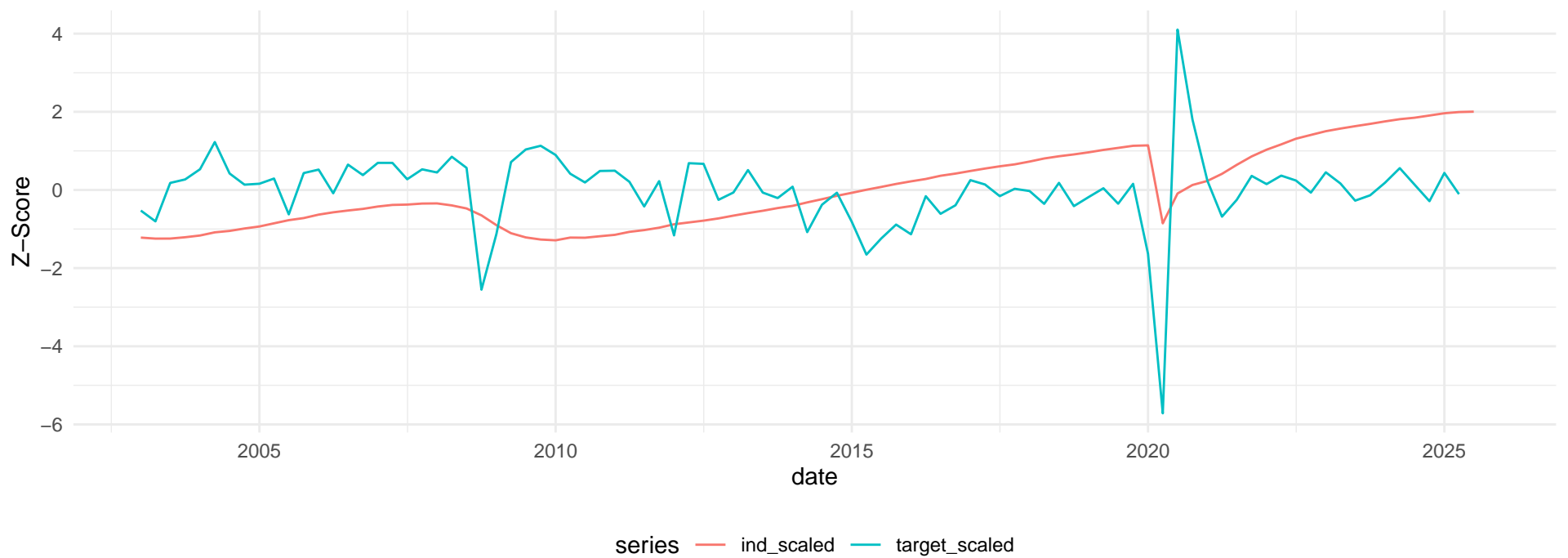
Corr: -0.04



### Cross-Correlation (Quarterly Lags): EMPLOY\_NONFARM\_US

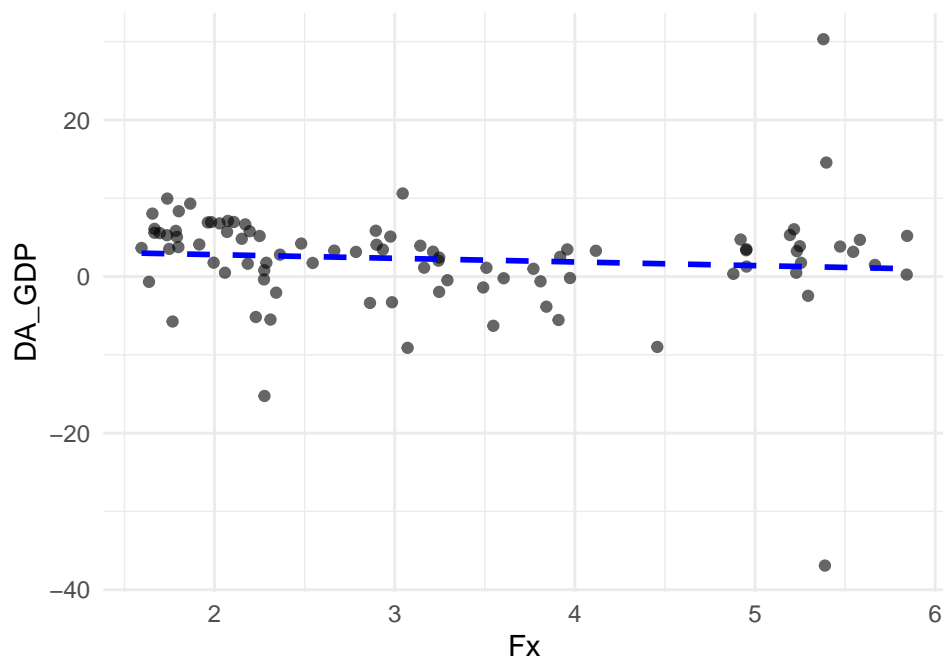


### Standardized Time Series: EMPLOY\_NONFARM\_US

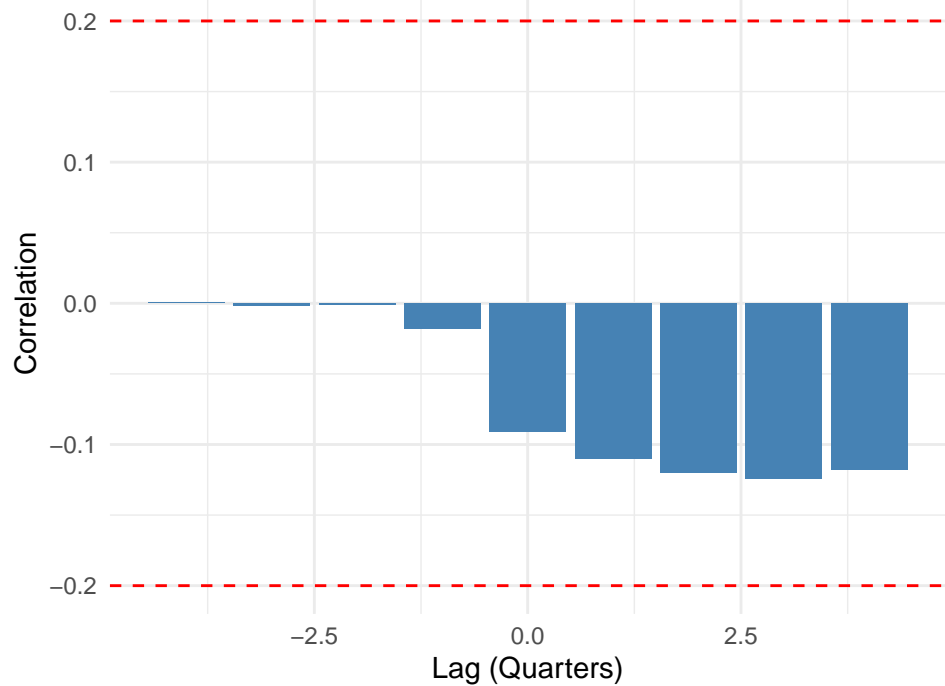


### Scatter: Fx vs Target

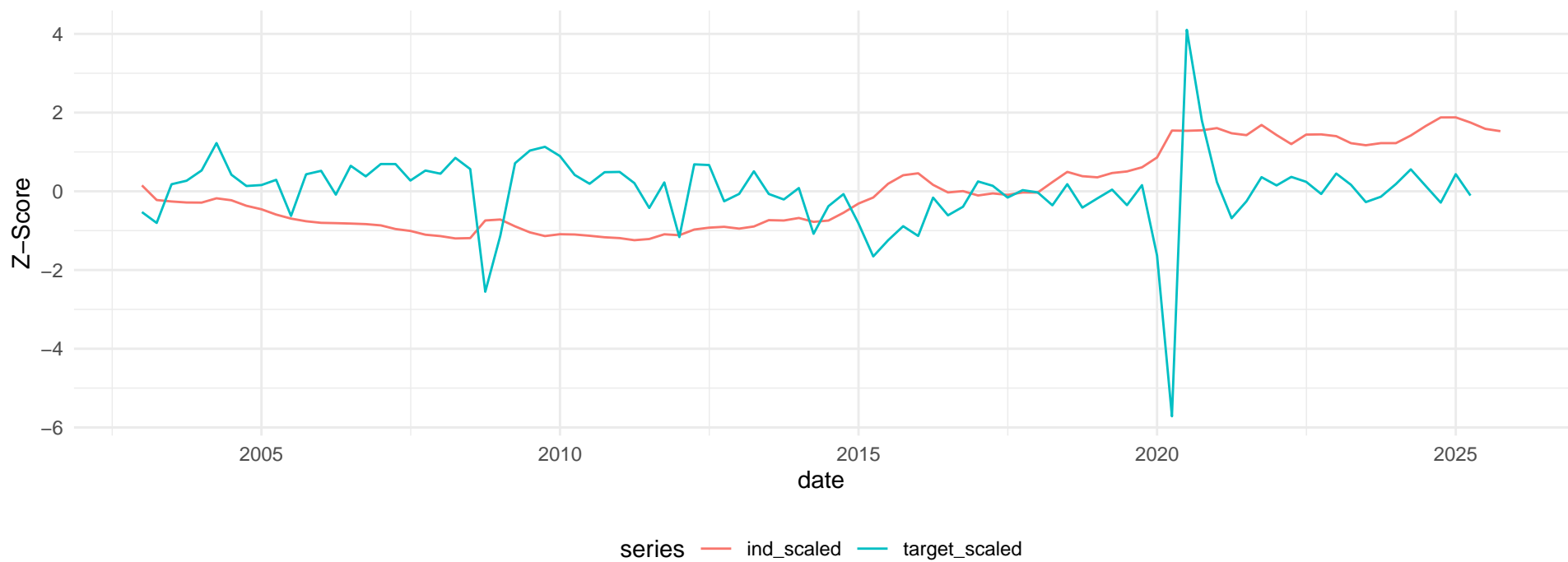
Corr: -0.09



### Cross-Correlation (Quarterly Lags): Fx

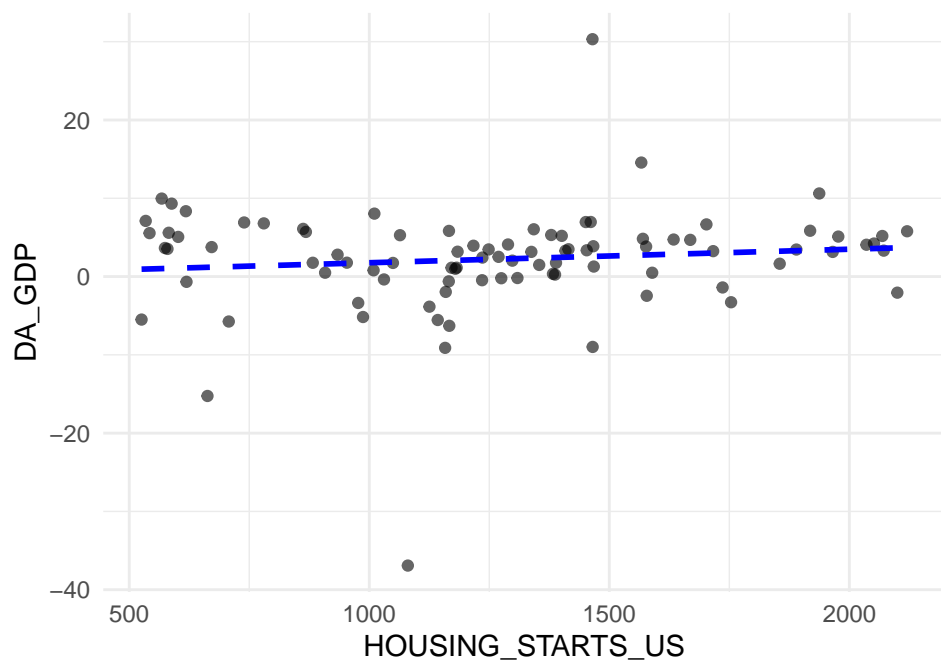


### Standardized Time Series: Fx

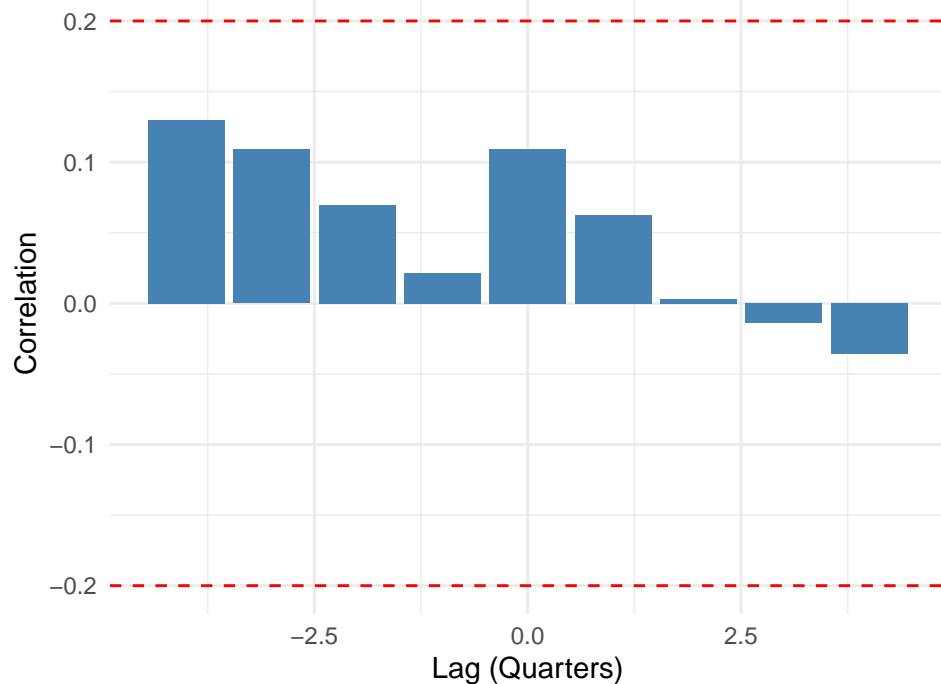


Scatter: HOUSING\_STARTS\_US vs Target

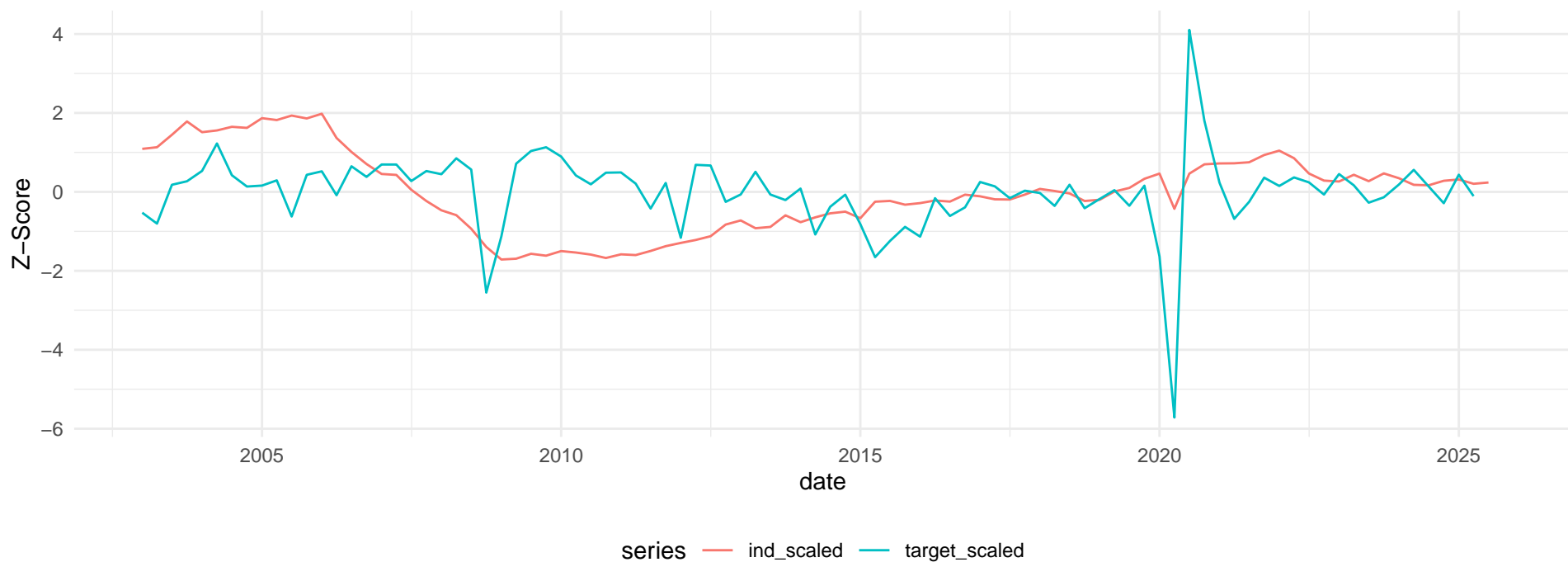
Corr: 0.11



Cross-Correlation (Quarterly Lags): HOUSING\_STARTS\_US vs Target

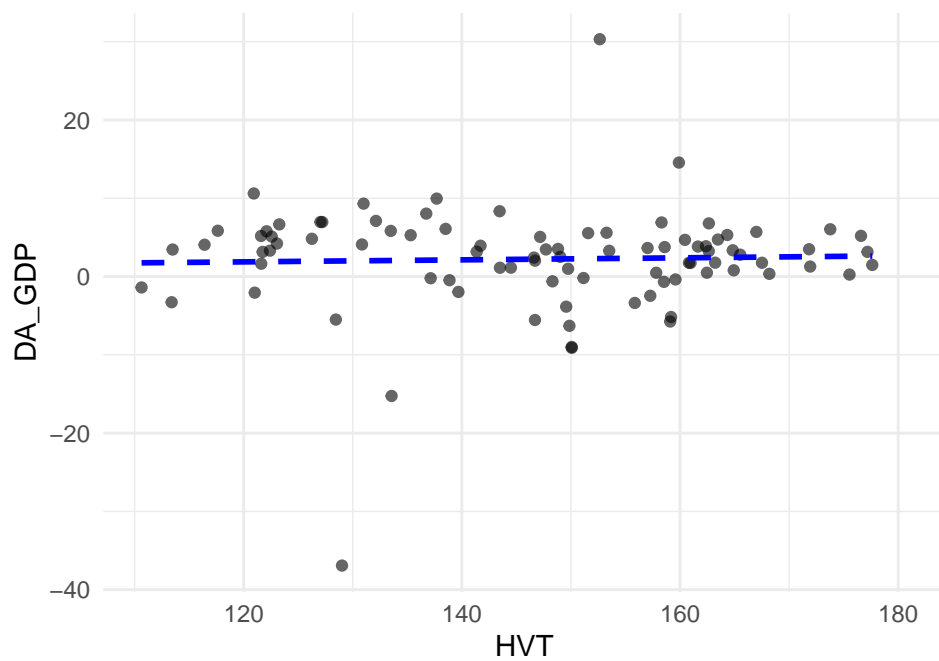


Standardized Time Series: HOUSING\_STARTS\_US

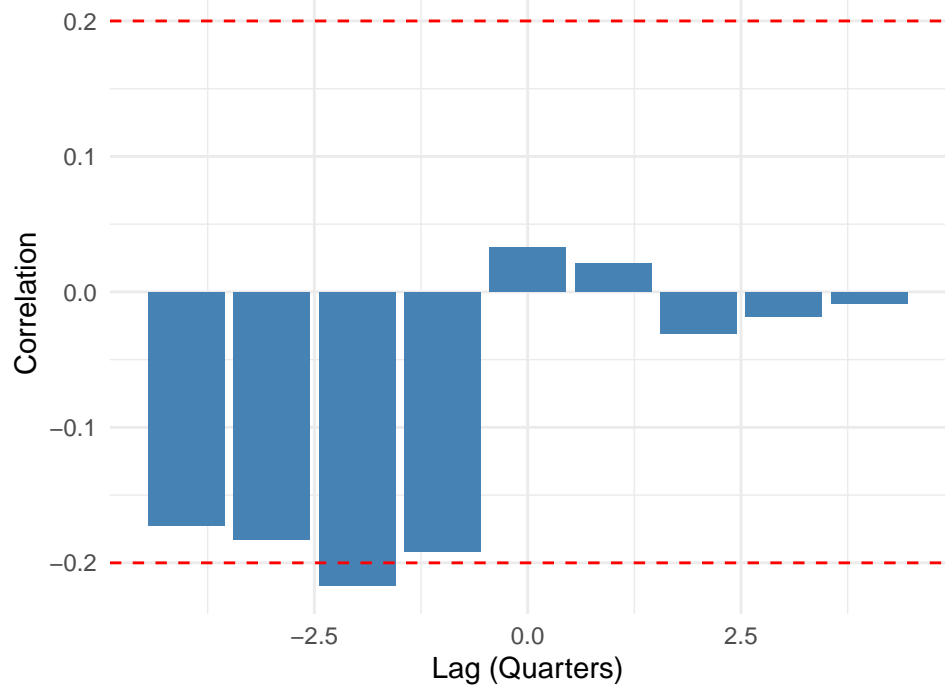


### Scatter: HVT vs Target

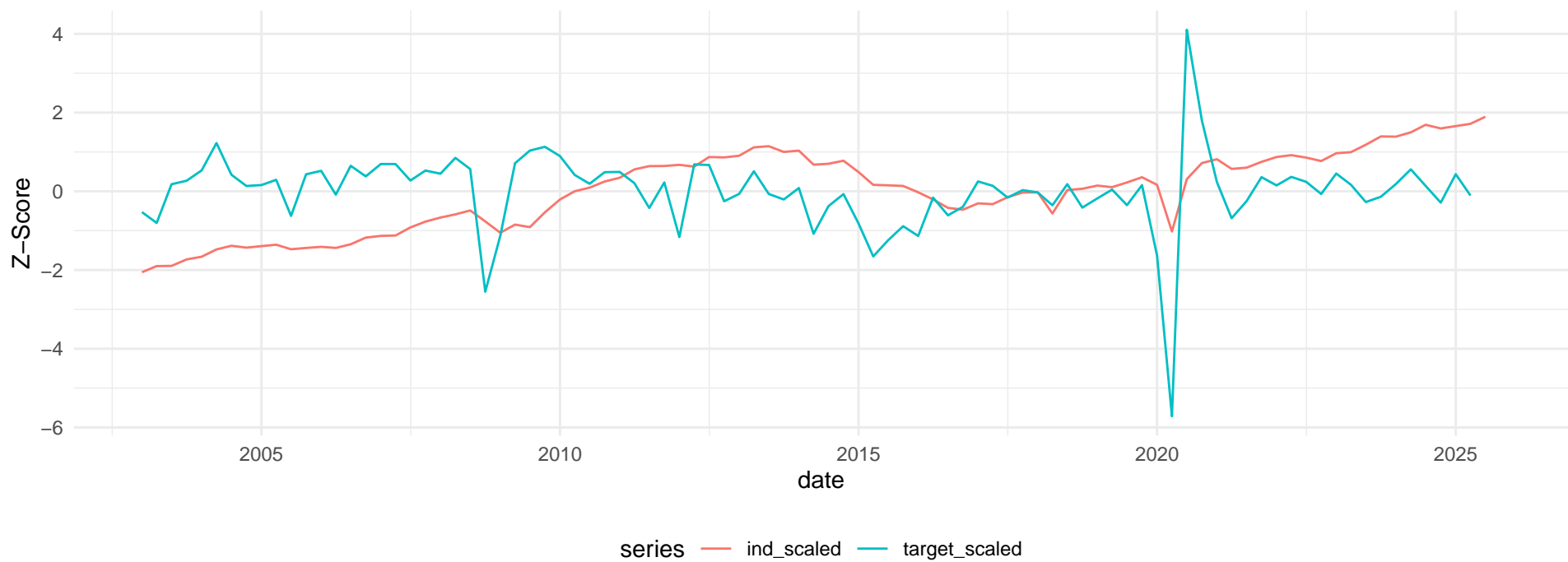
Corr: 0.03



### Cross-Correlation (Quarterly Lags): HVT

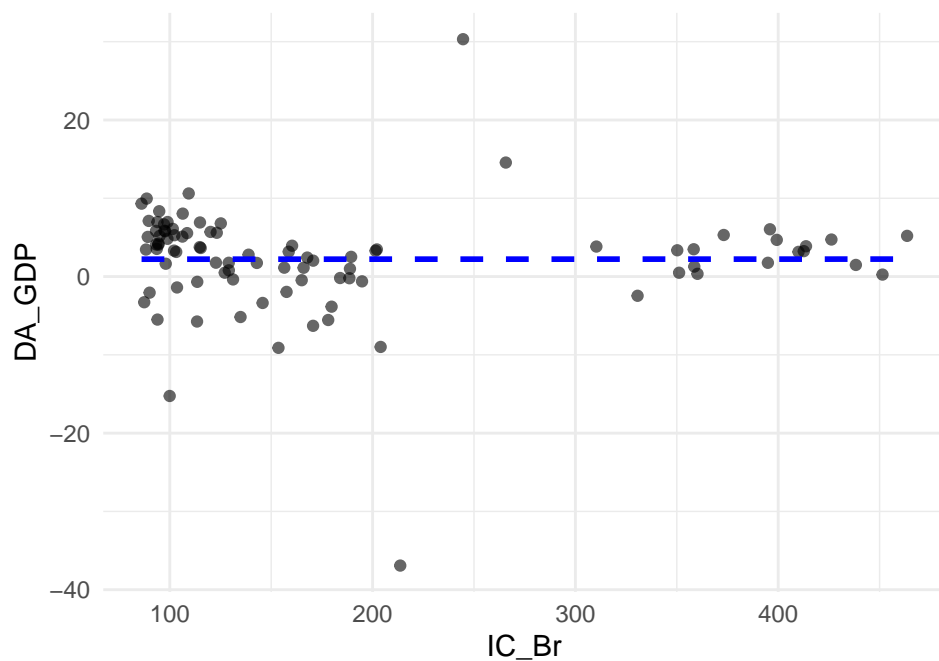


### Standardized Time Series: HVT

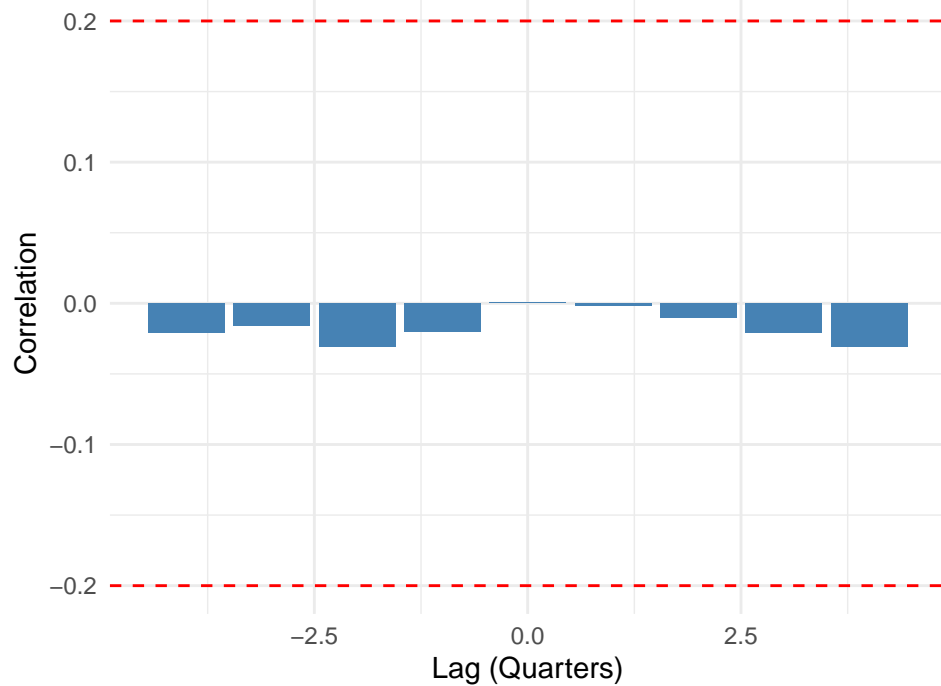


### Scatter: IC\_Br vs Target

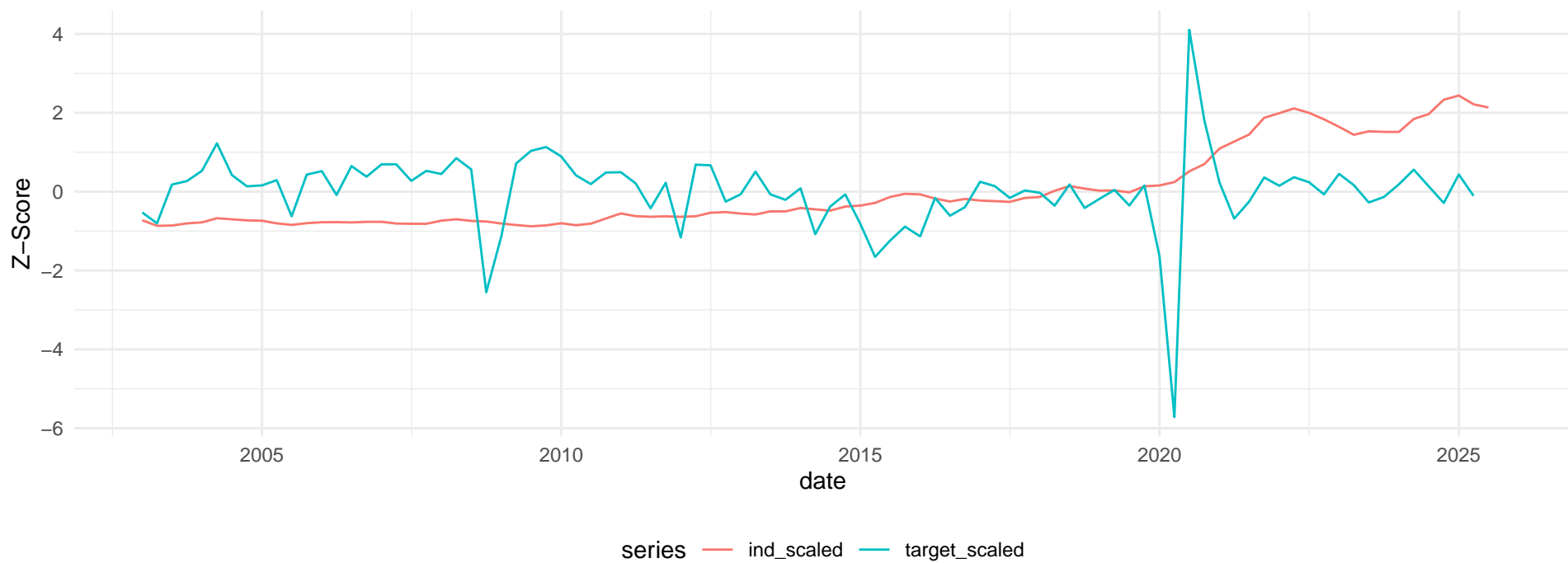
Corr: 0



### Cross-Correlation (Quarterly Lags): IC\_Br

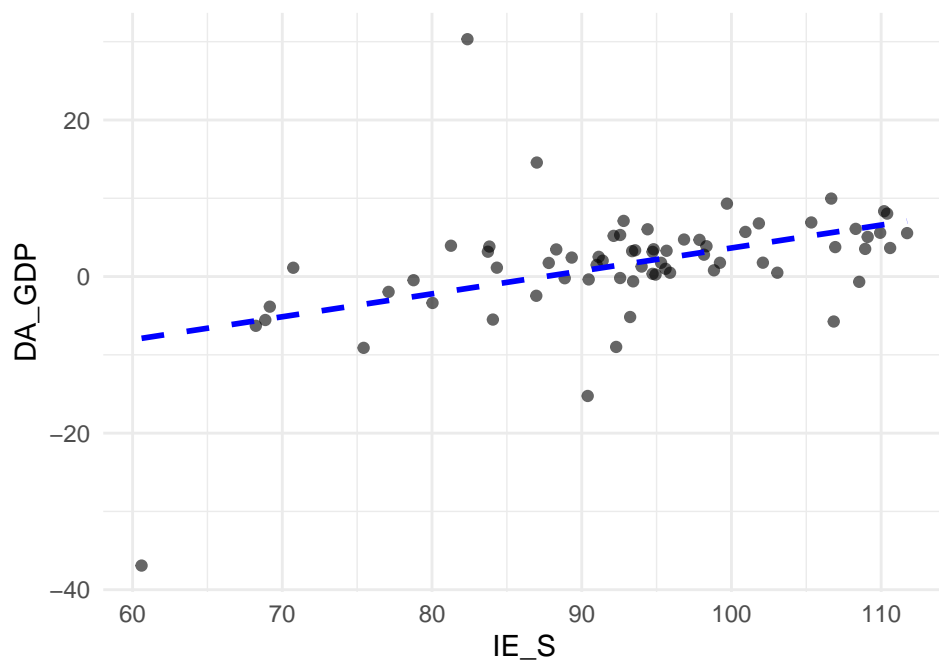


### Standardized Time Series: IC\_Br

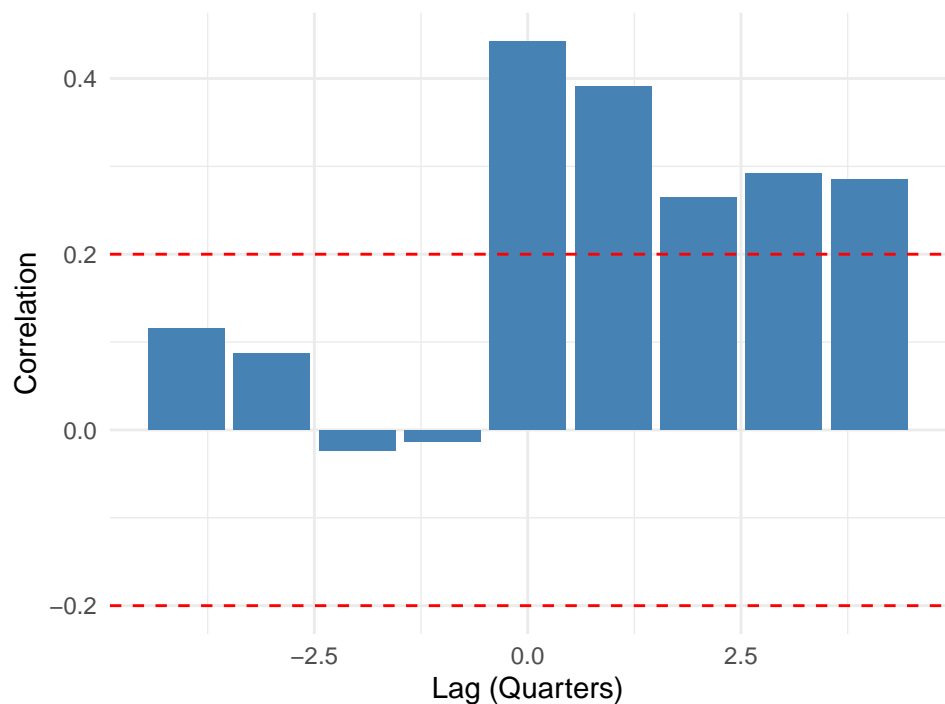


Scatter: IE\_S vs Target

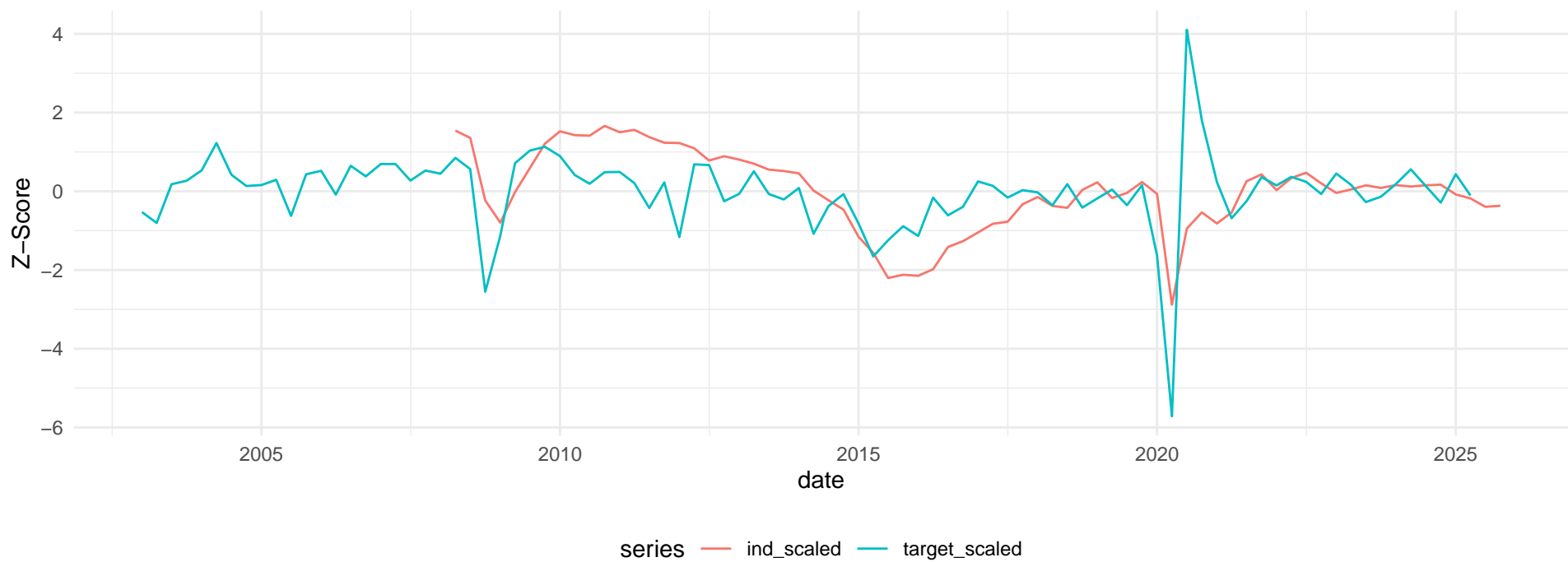
Corr: 0.44



Cross-Correlation (Quarterly Lags): IE\_S

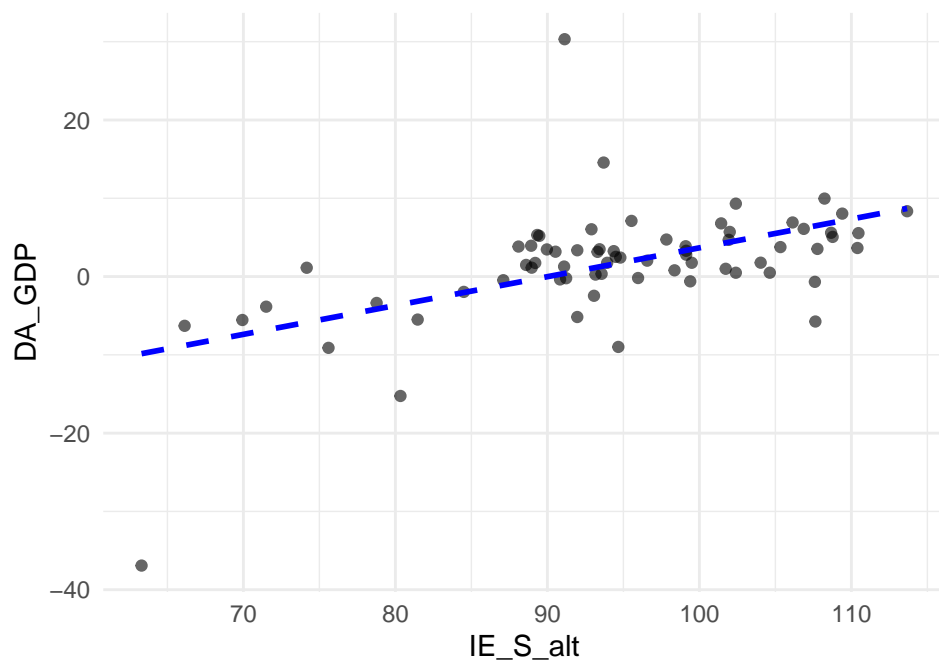


Standardized Time Series: IE\_S

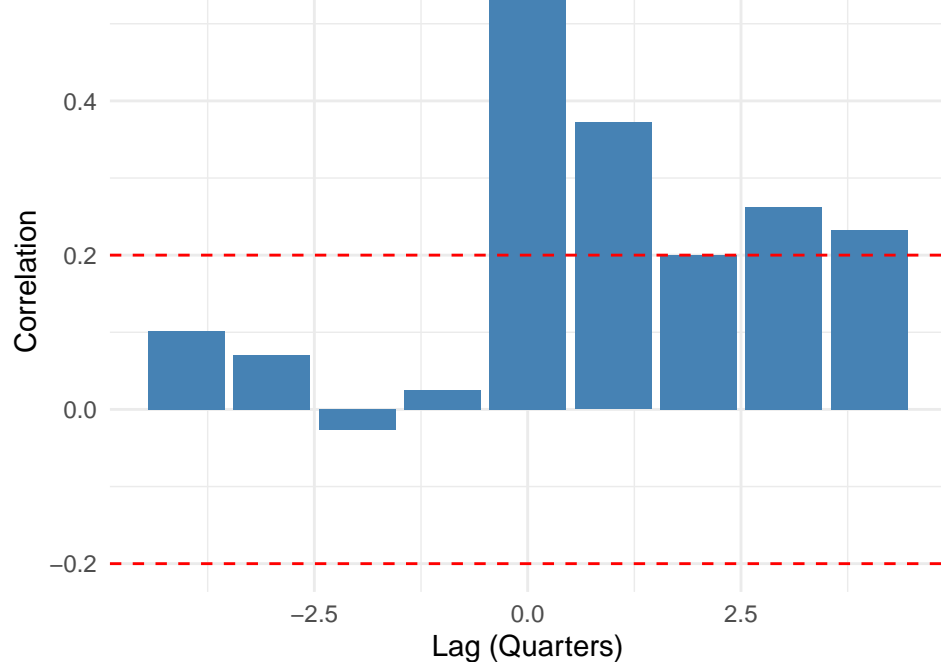


Scatter: IE\_S\_alt vs Target

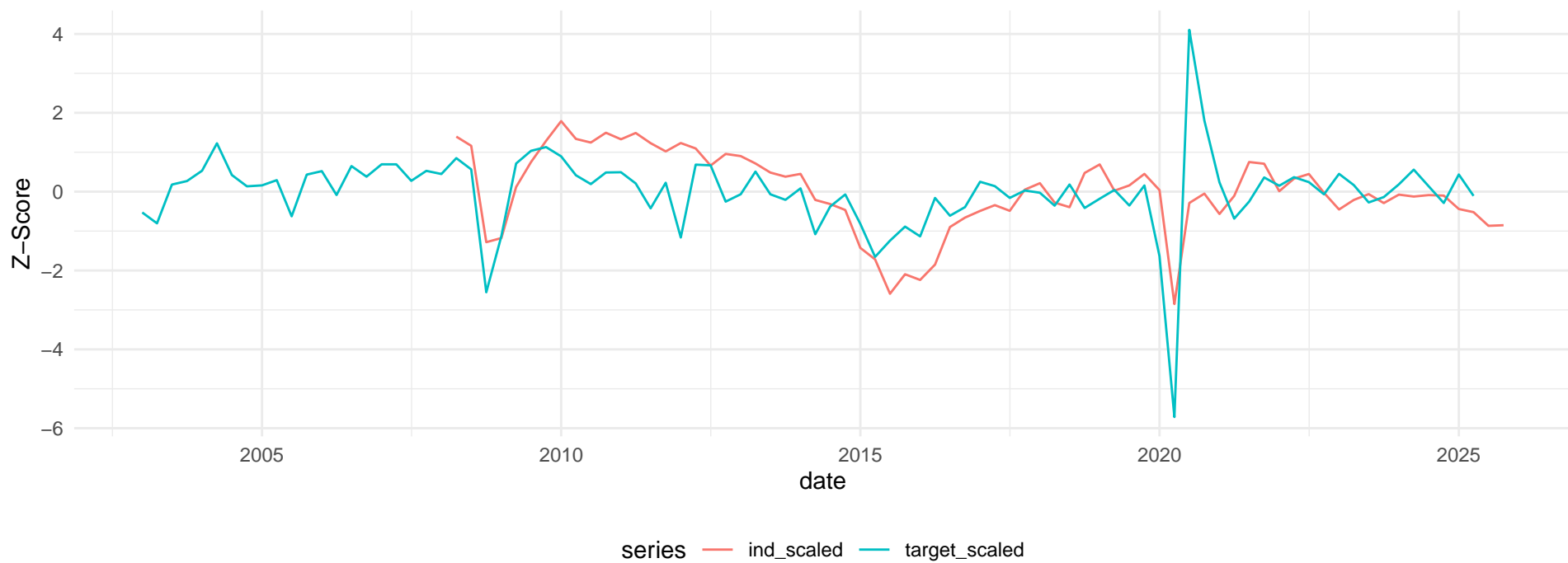
Corr: 0.53



Cross-Correlation (Quarterly Lags): IE\_S\_alt

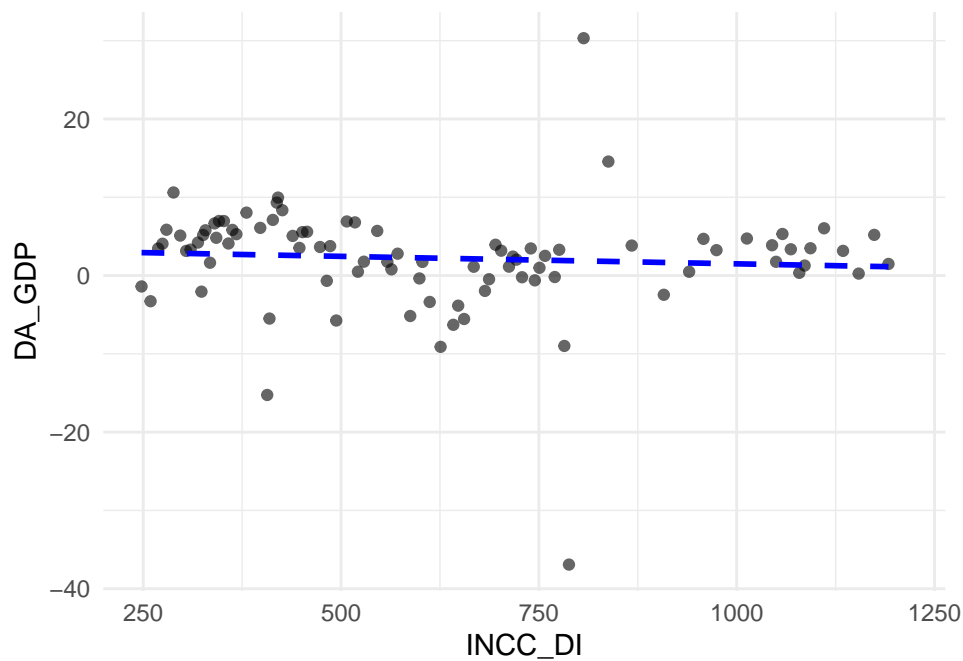


Standardized Time Series: IE\_S\_alt

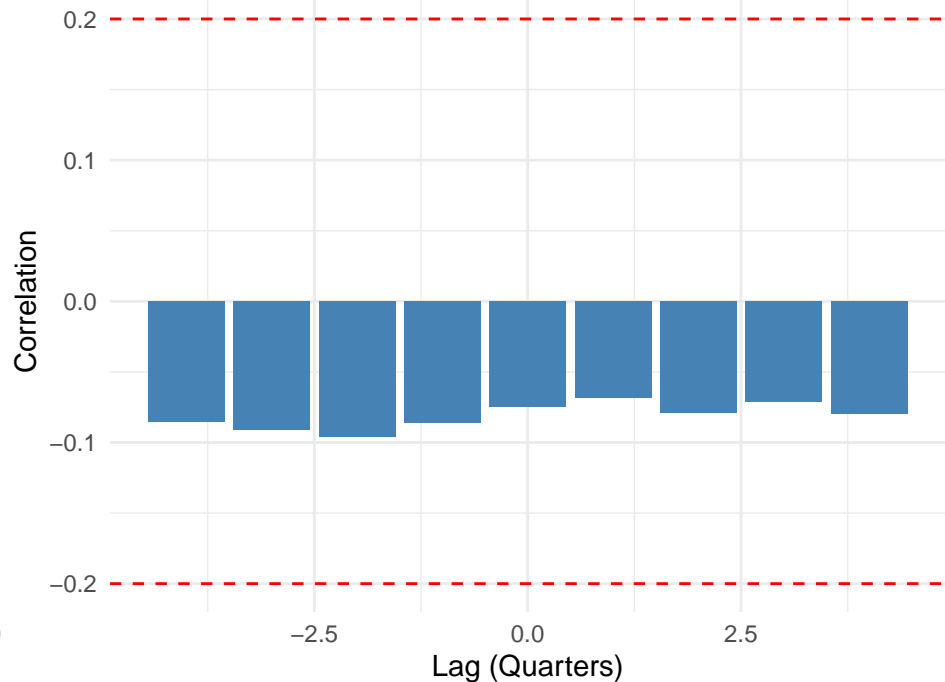


### Scatter: INCC\_DI vs Target

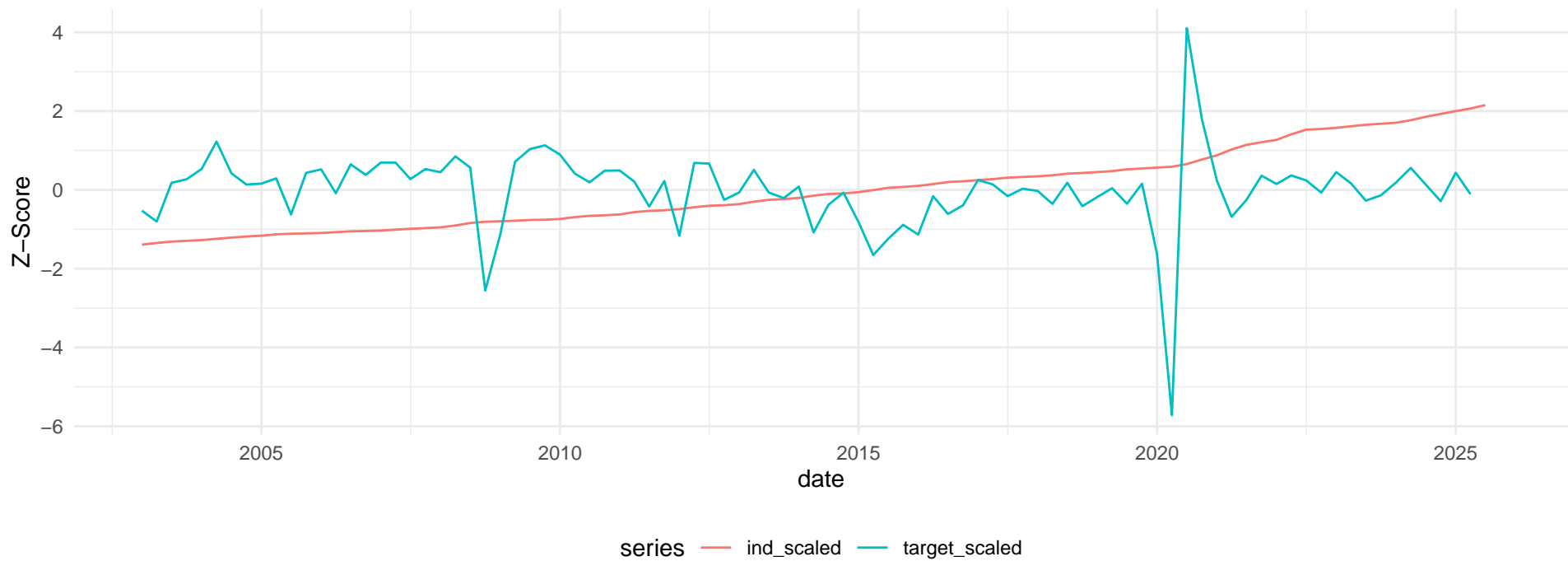
Corr: -0.07



### Cross-Correlation (Quarterly Lags): INCC\_DI



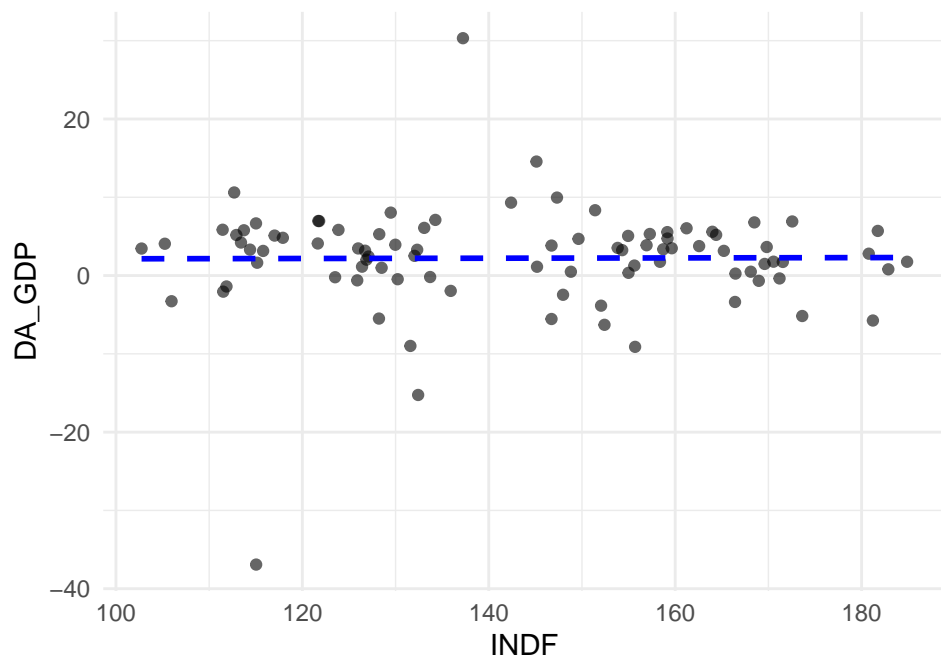
### Standardized Time Series: INCC\_DI



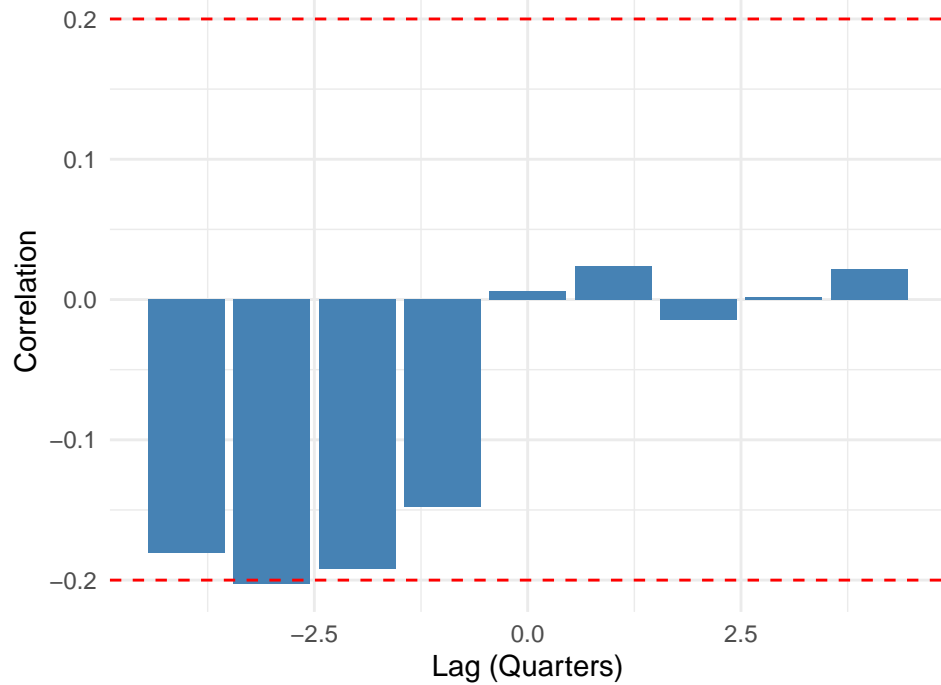


### Scatter: INDF vs Target

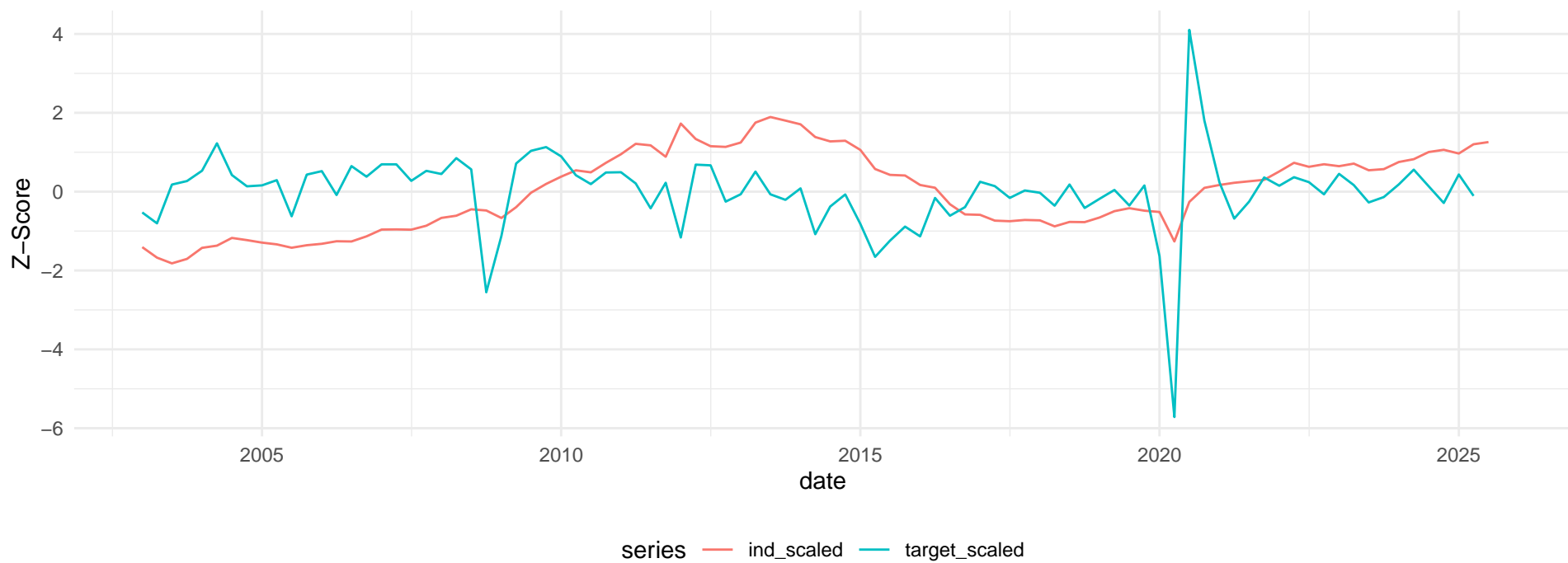
Corr: 0.01



### Cross-Correlation (Quarterly Lags): INDF

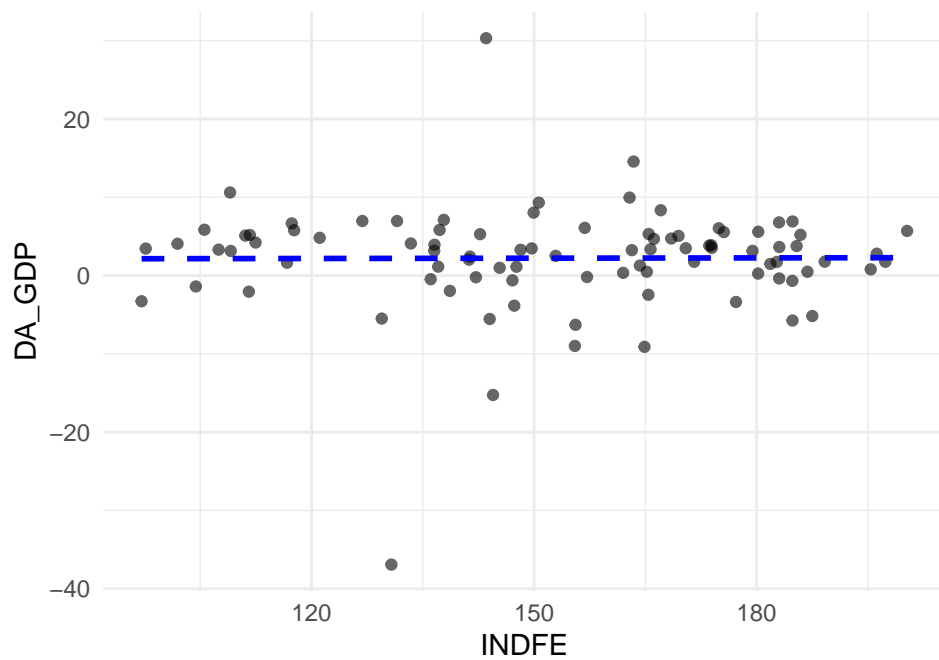


### Standardized Time Series: INDF

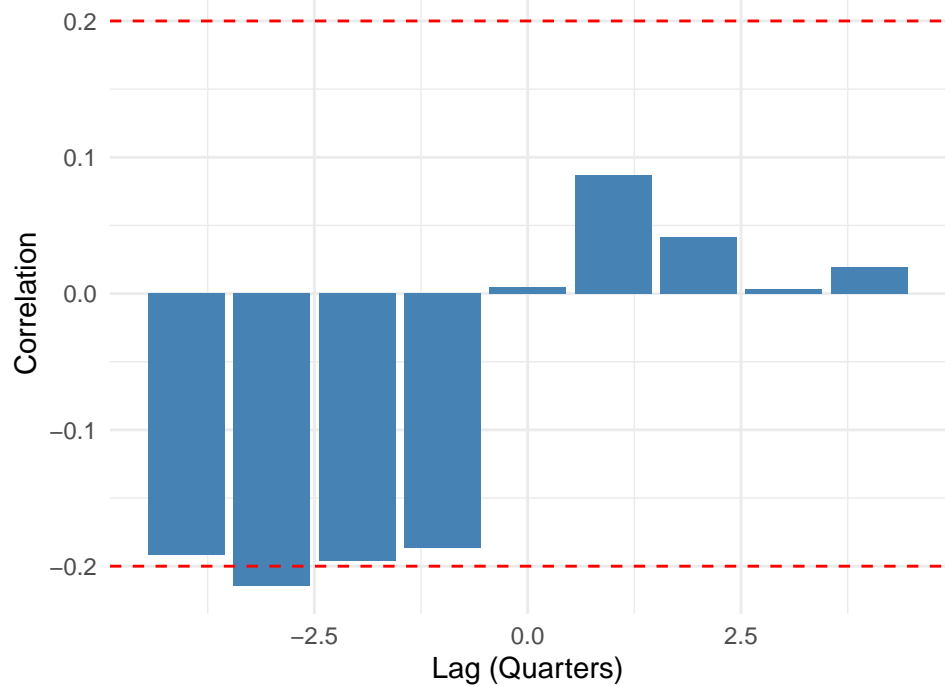


### Scatter: INDFE vs Target

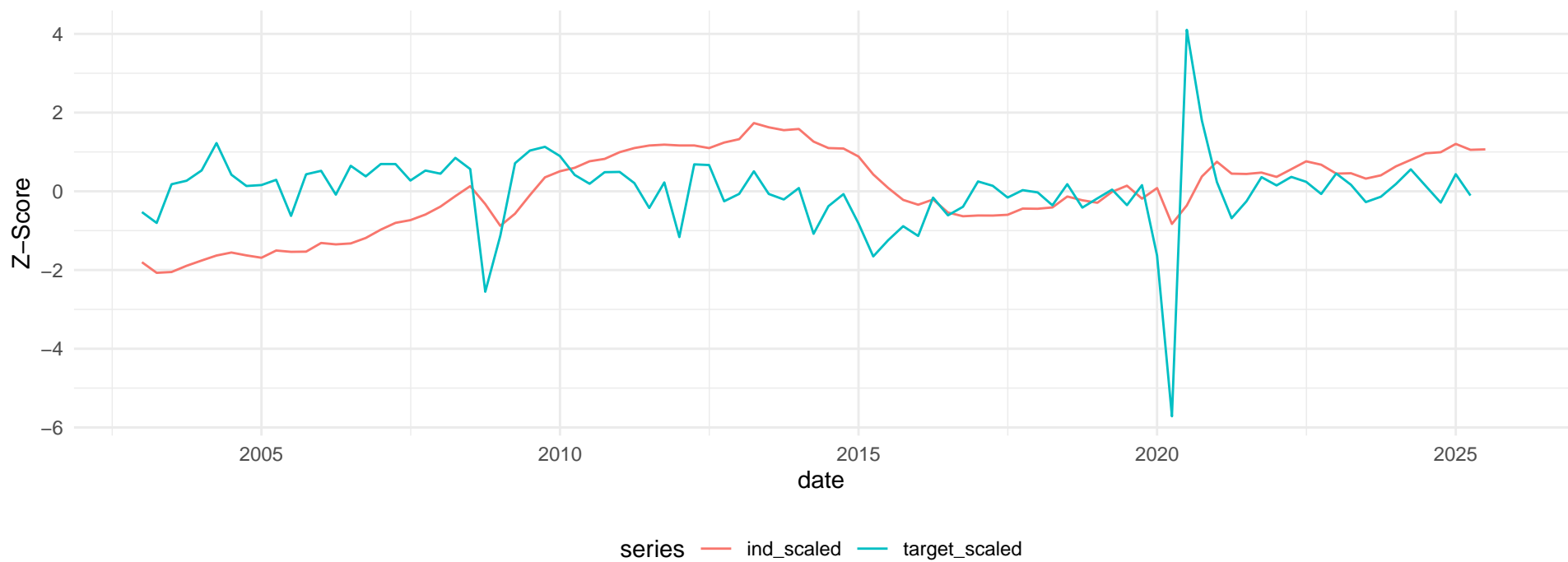
Corr: 0



### Cross-Correlation (Quarterly Lags): INDFE

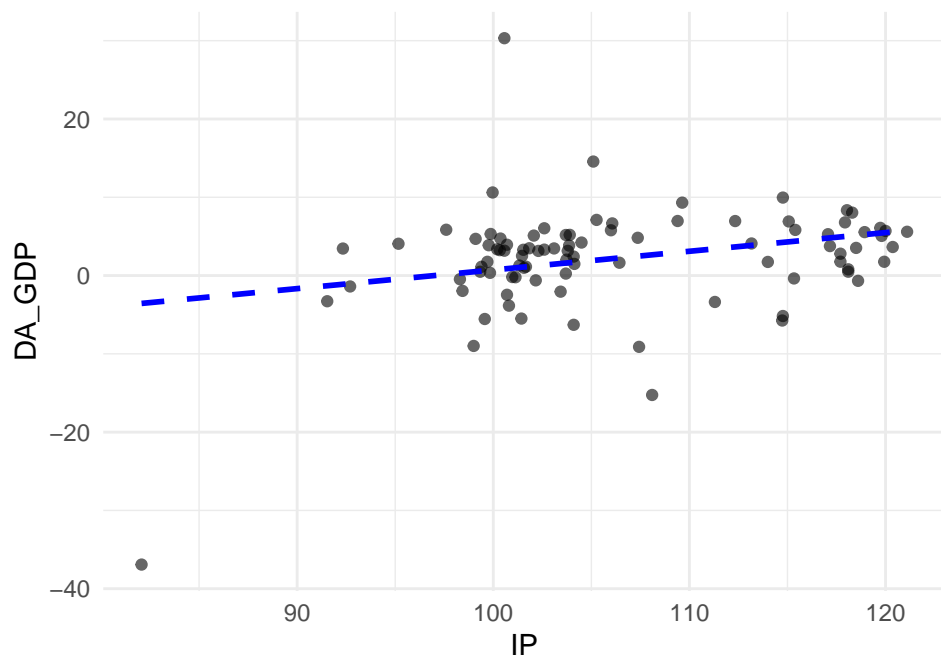


### Standardized Time Series: INDFE

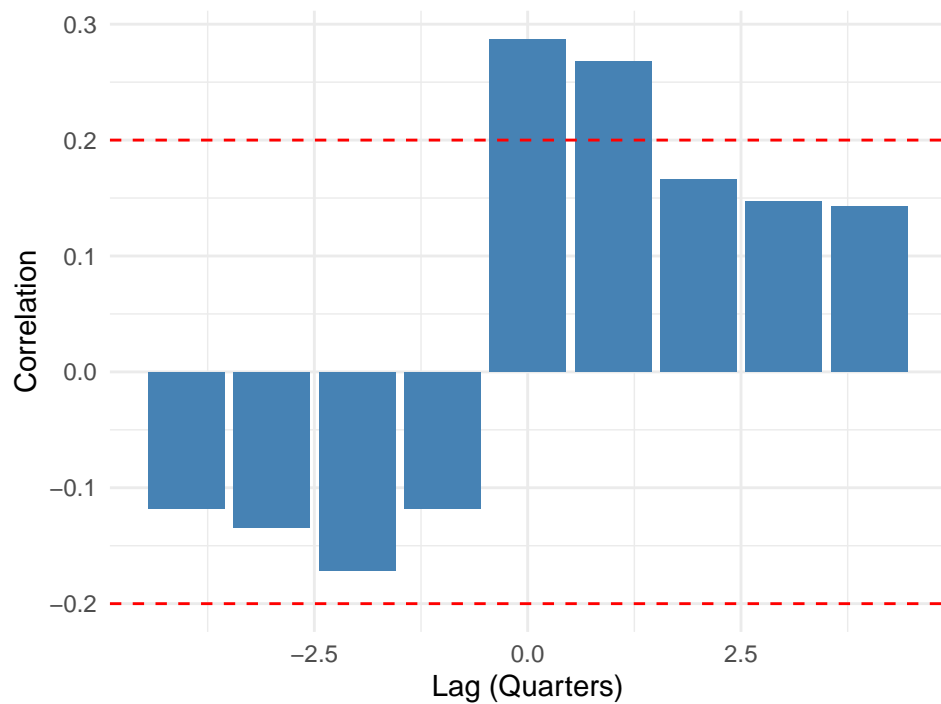


Scatter: IP vs Target

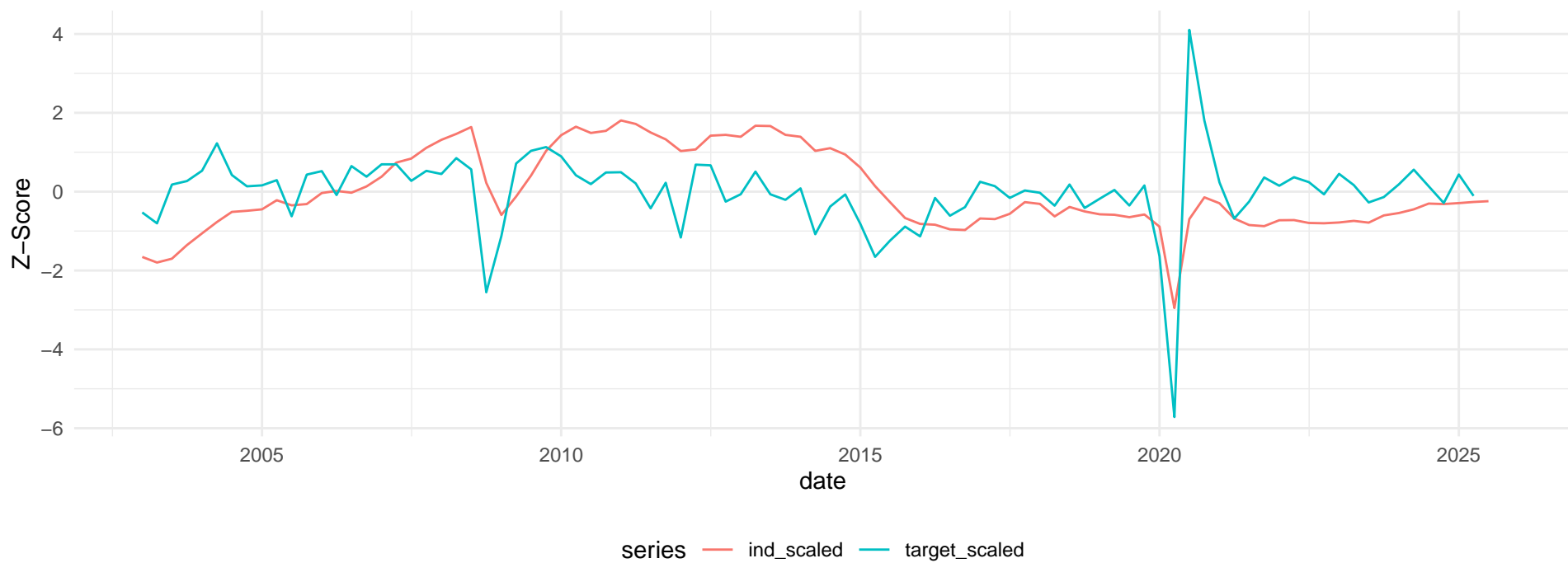
Corr: 0.29



Cross-Correlation (Quarterly Lags): IP

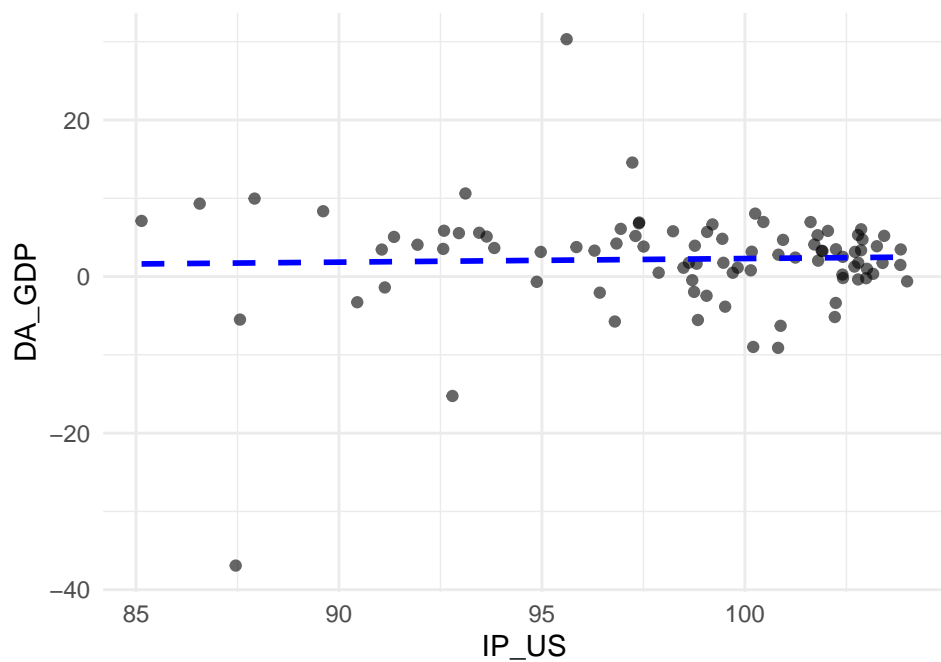


Standardized Time Series: IP

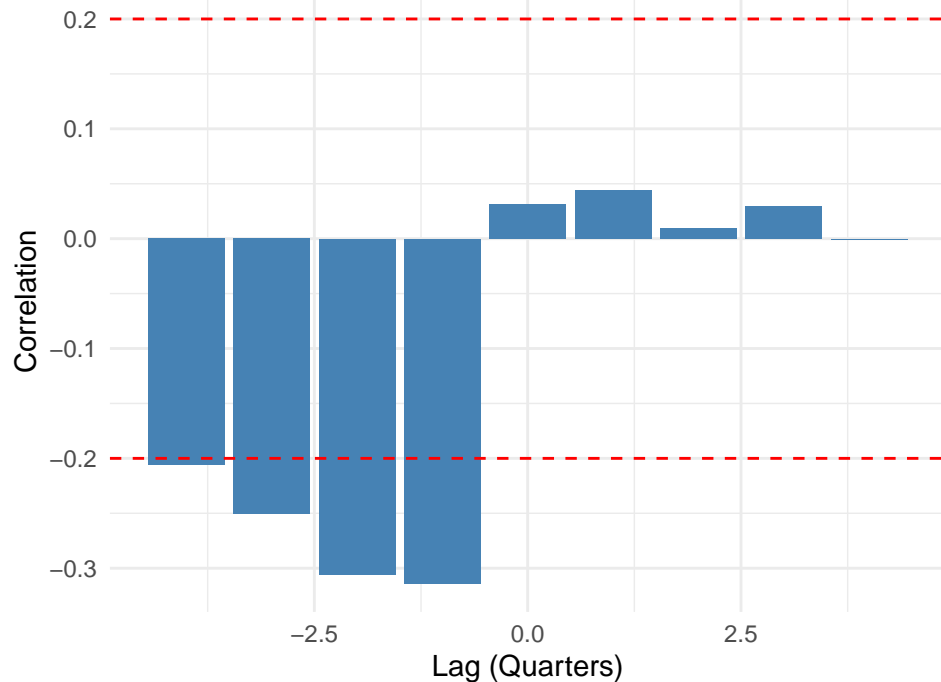


### Scatter: IP\_US vs Target

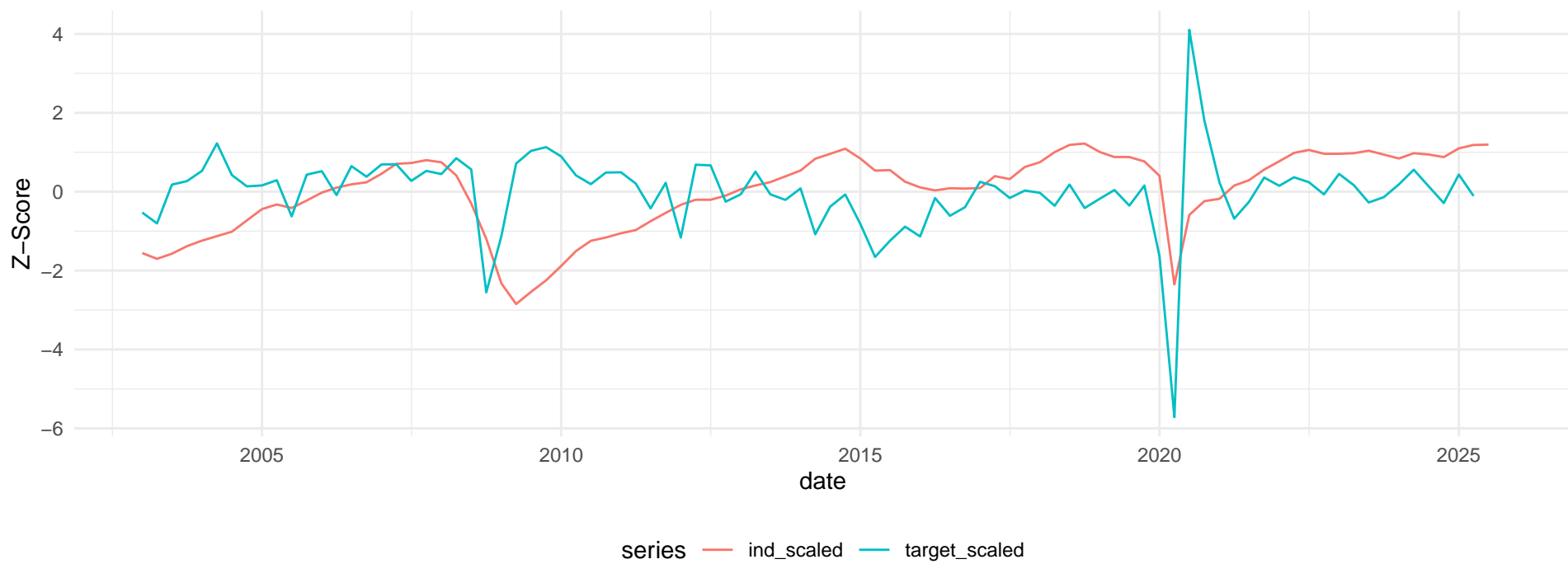
Corr: 0.03



### Cross-Correlation (Quarterly Lags): IP\_US

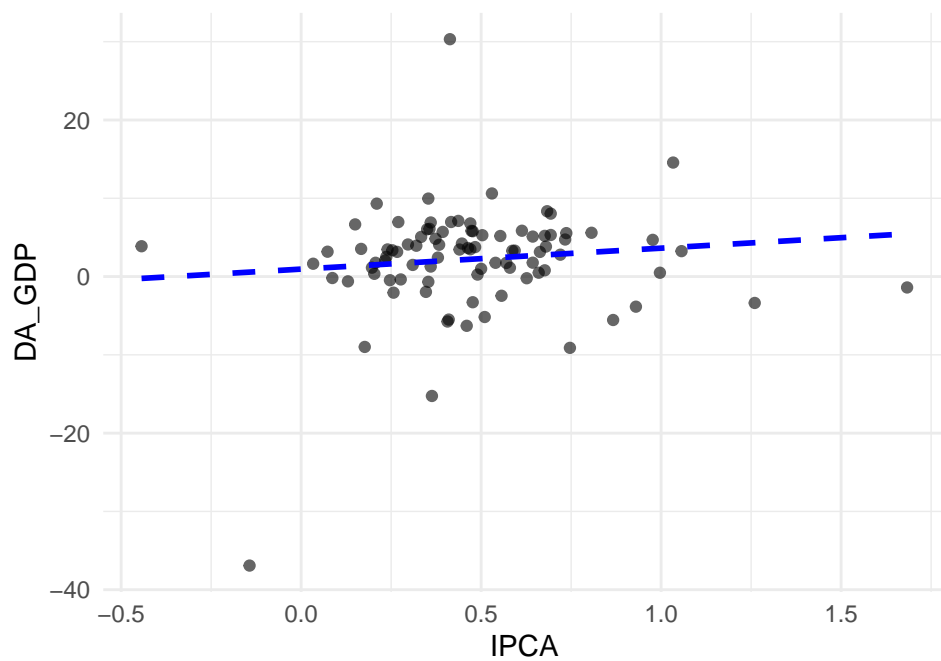


### Standardized Time Series: IP\_US

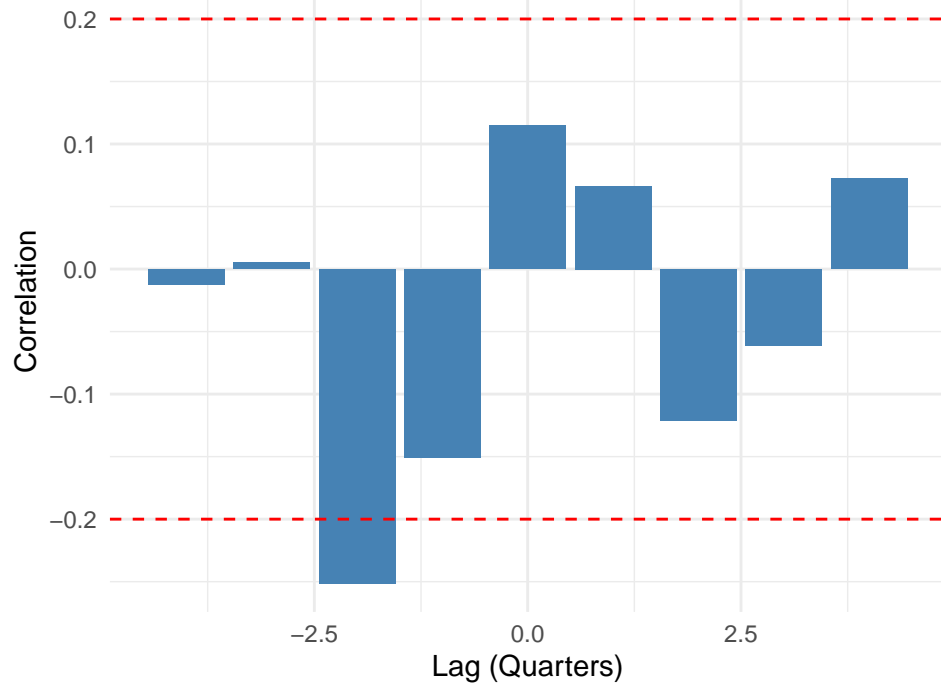


Scatter: IPCA vs Target

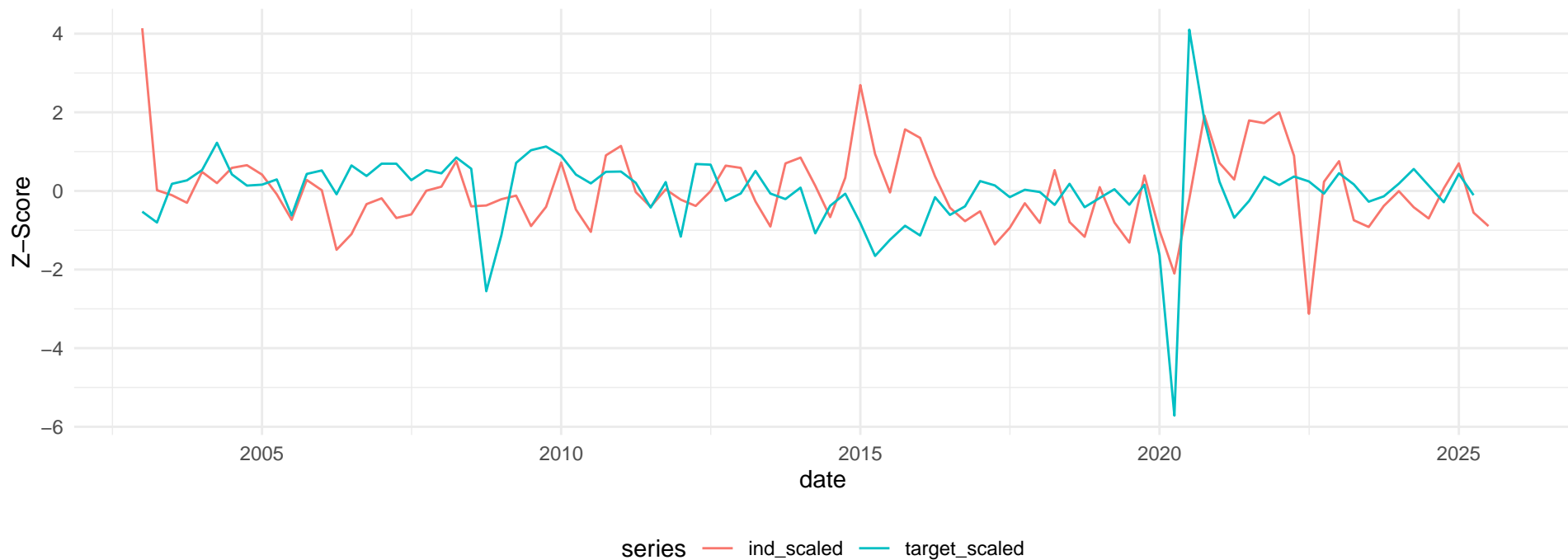
Corr: 0.11



Cross-Correlation (Quarterly Lags): IPCA

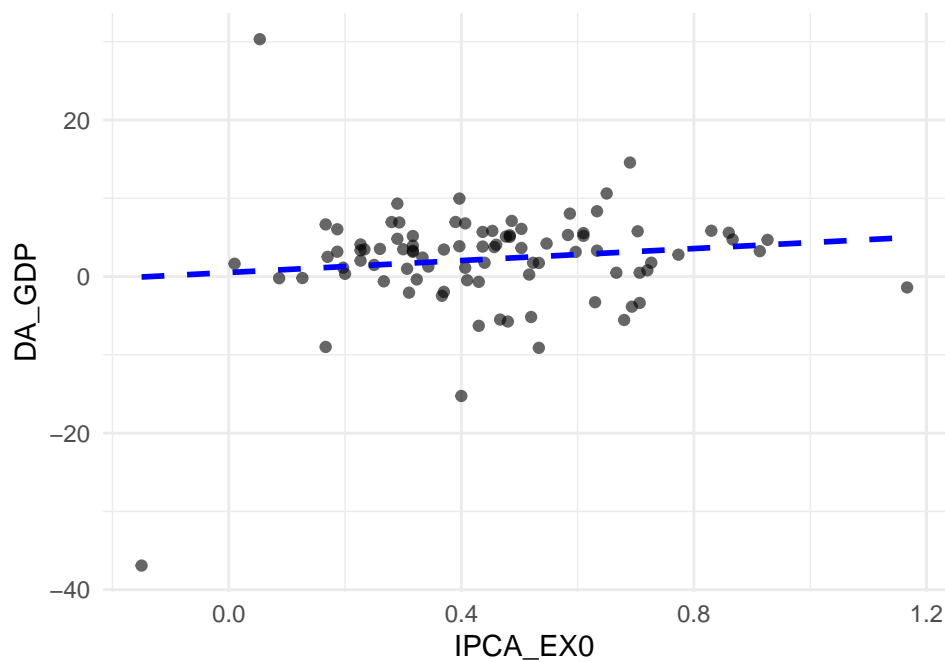


Standardized Time Series: IPCA

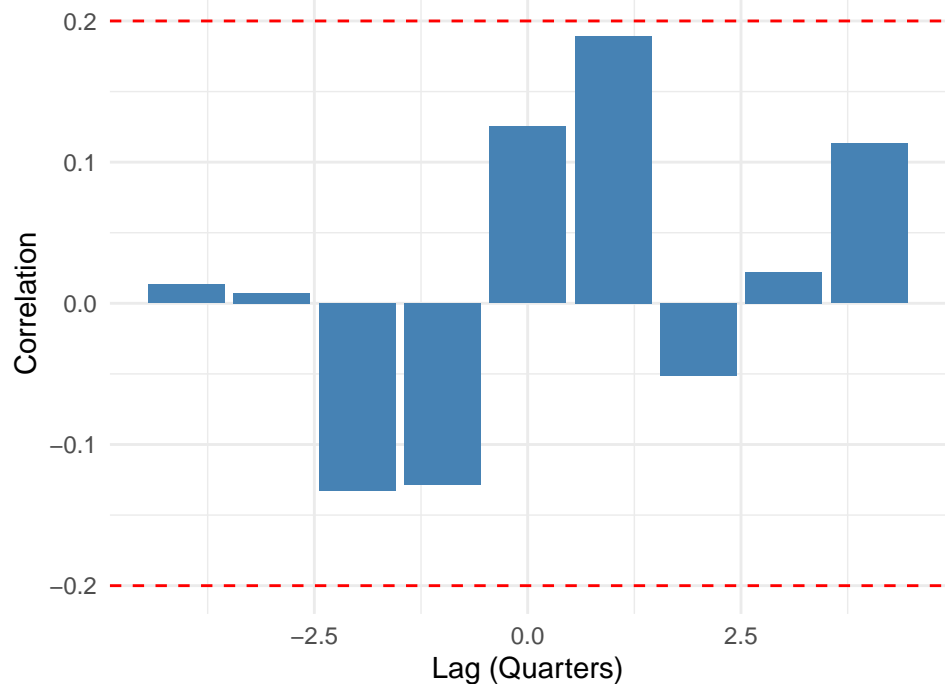


### Scatter: IPCA\_EX0 vs Target

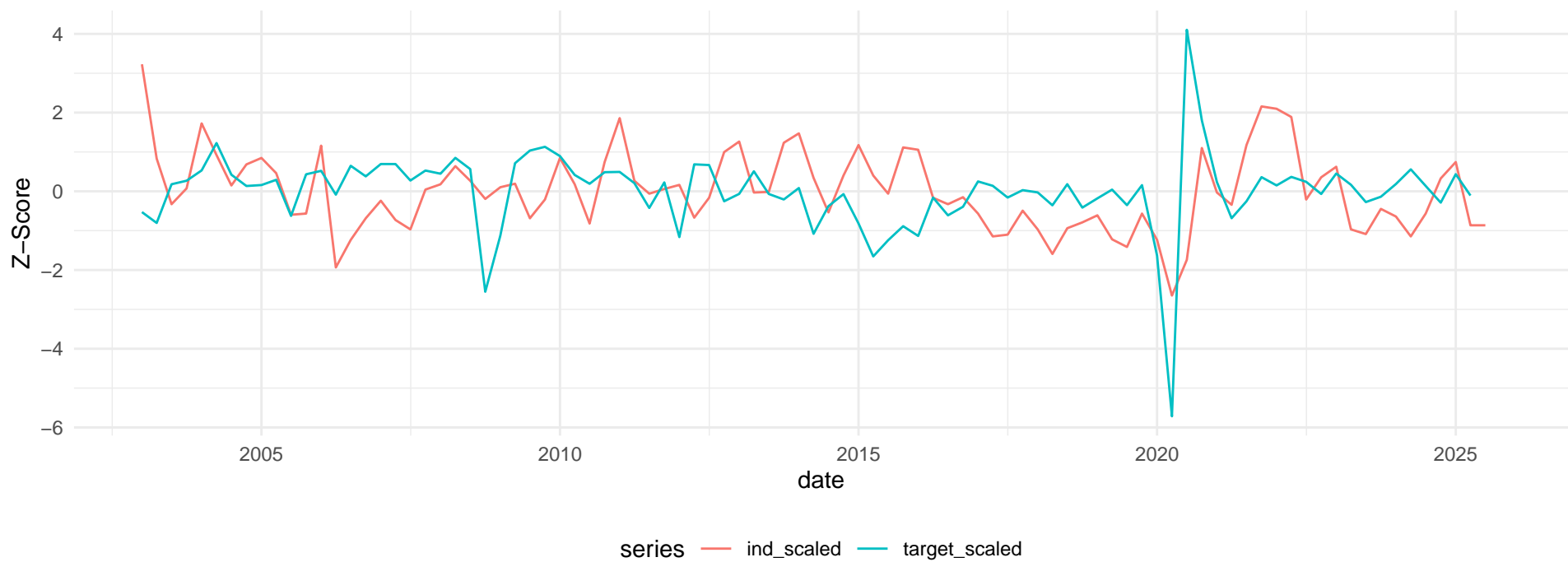
Corr: 0.13



### Cross-Correlation (Quarterly Lags): IPCA\_EX0

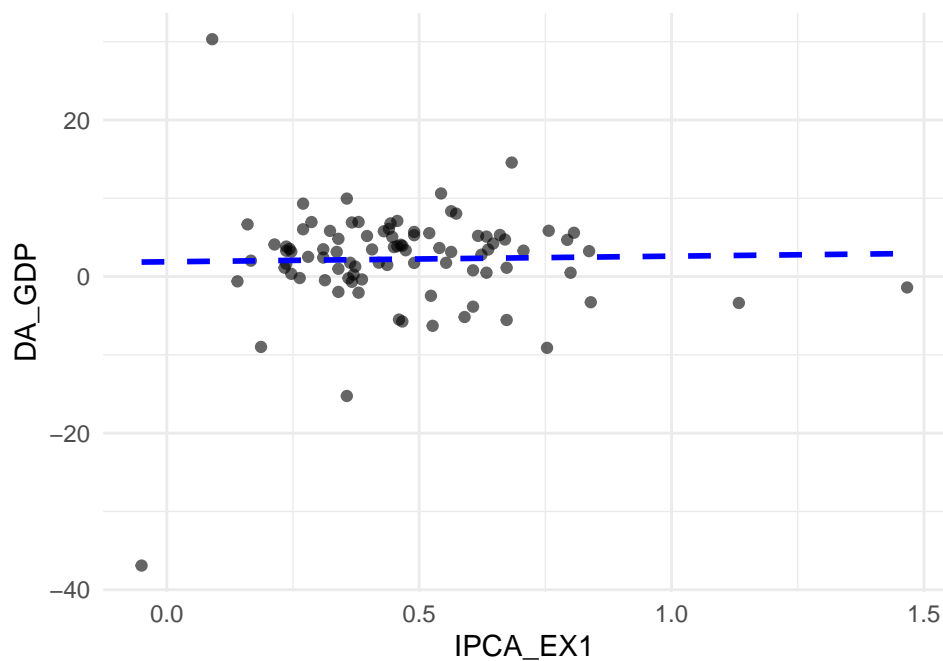


### Standardized Time Series: IPCA\_EX0

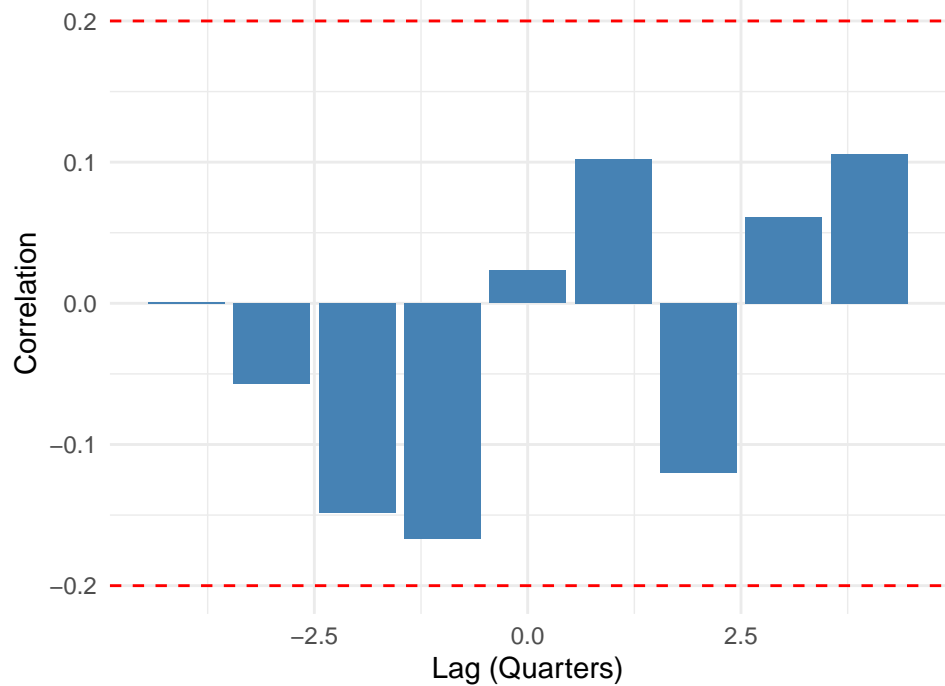


Scatter: IPCA\_EX1 vs Target

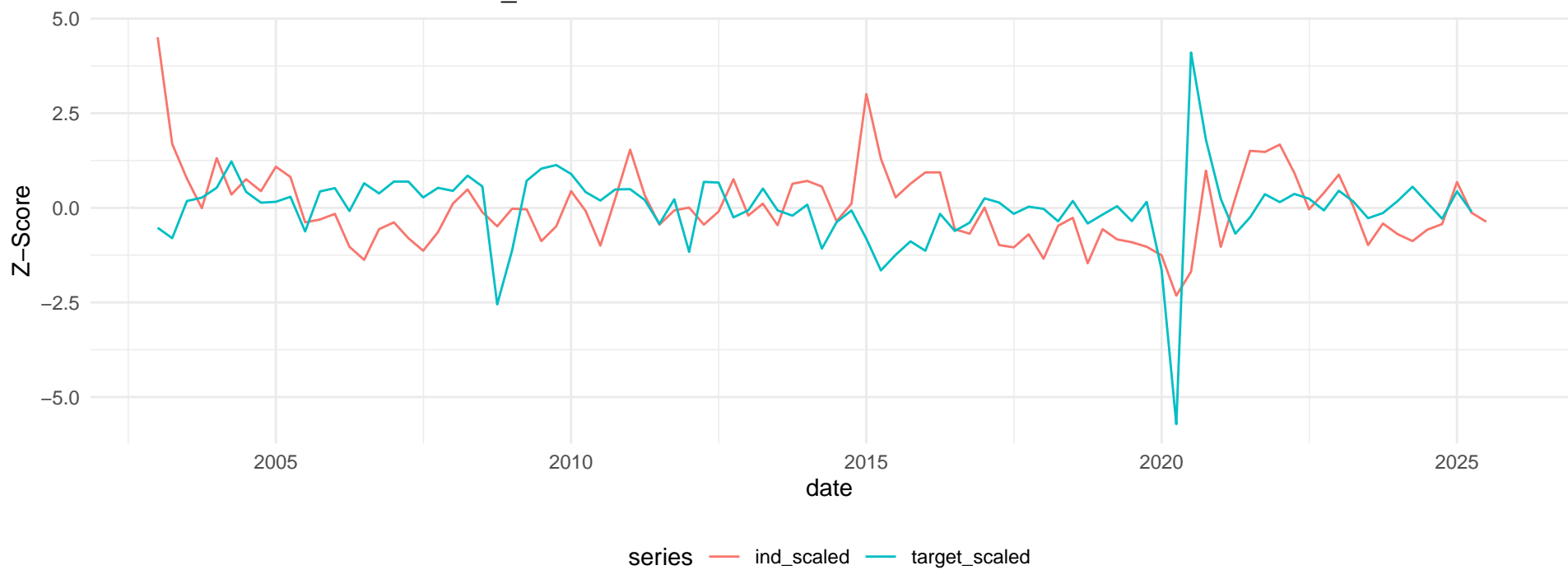
Corr: 0.02



Cross-Correlation (Quarterly Lags): IPCA\_EX1

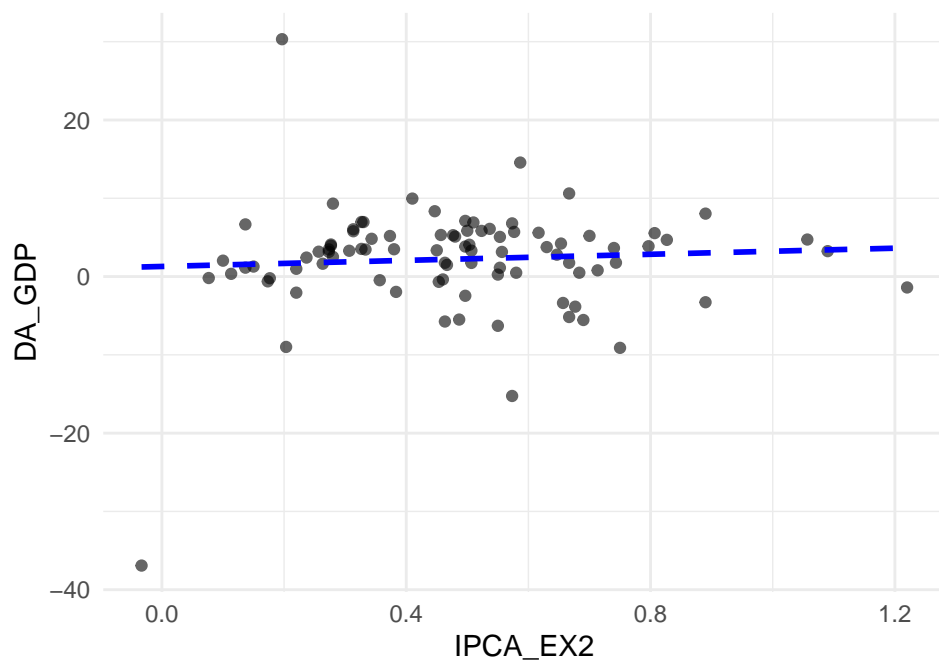


Standardized Time Series: IPCA\_EX1

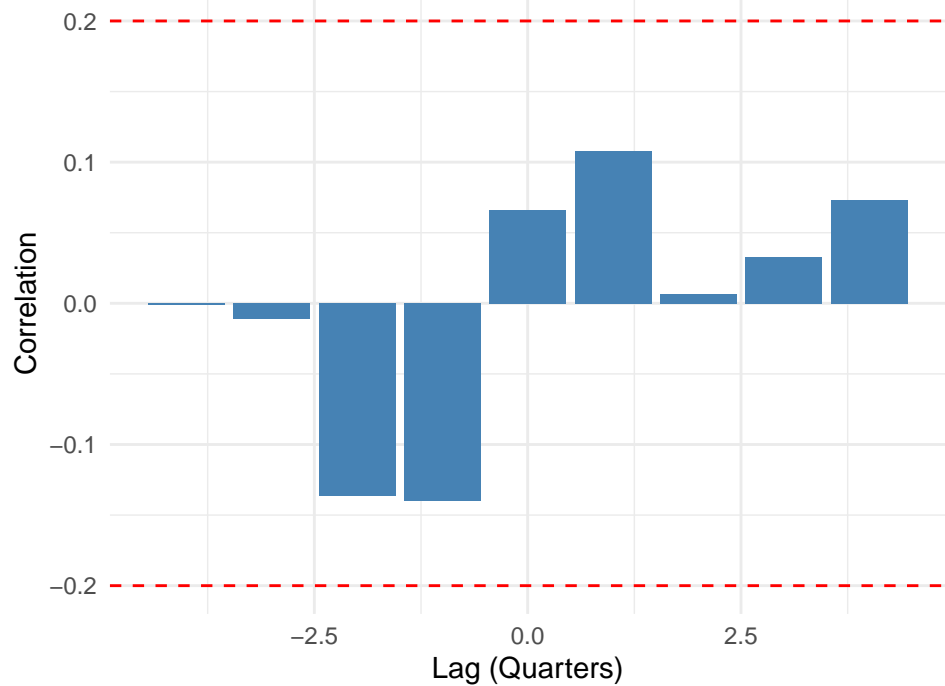


Scatter: IPCA\_EX2 vs Target

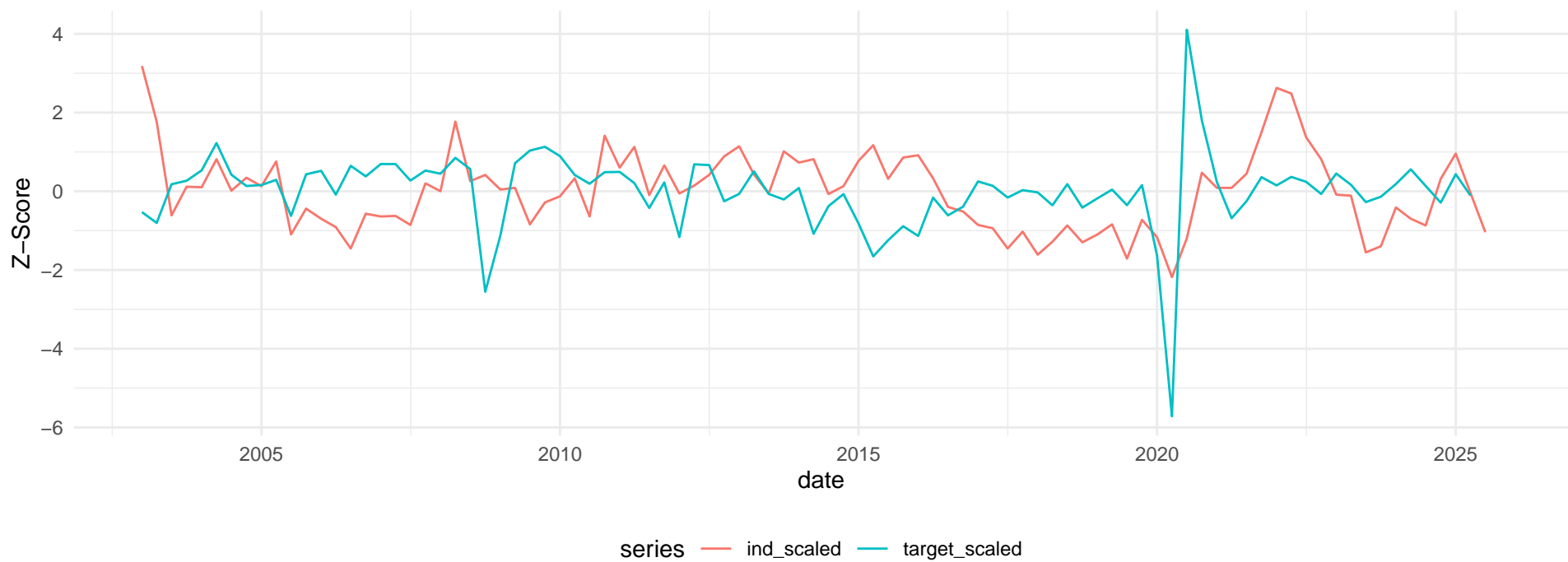
Corr: 0.07



Cross-Correlation (Quarterly Lags): IPCA\_EX2



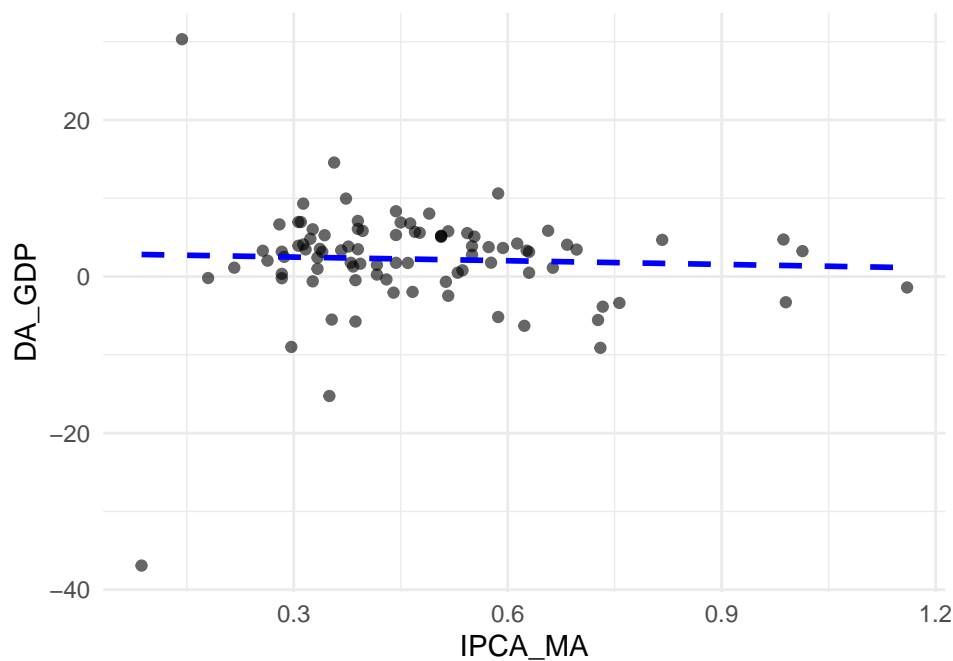
Standardized Time Series: IPCA\_EX2



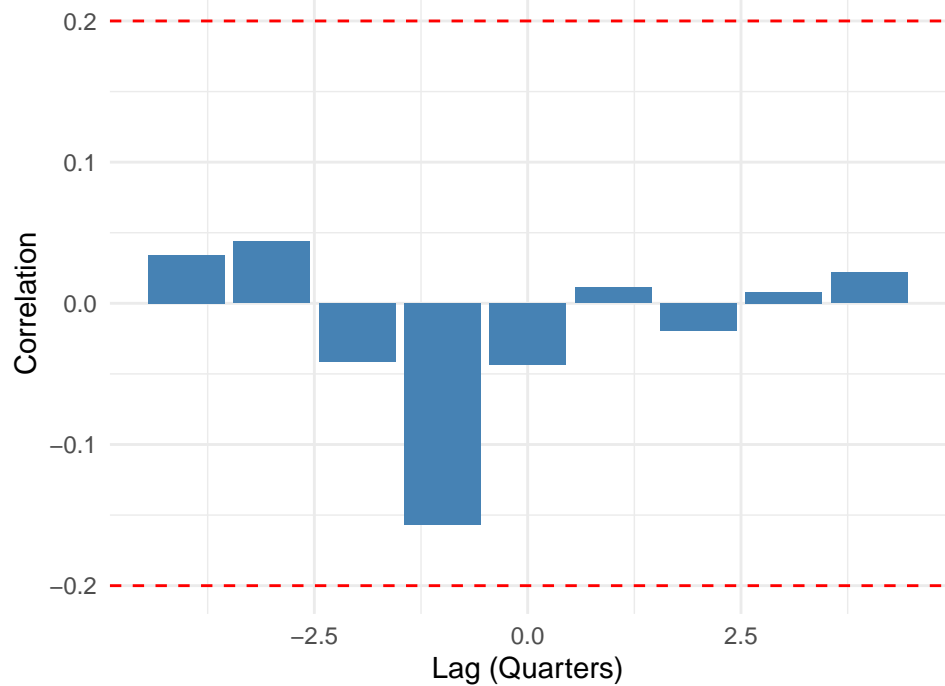


Scatter: IPCA\_MA vs Target

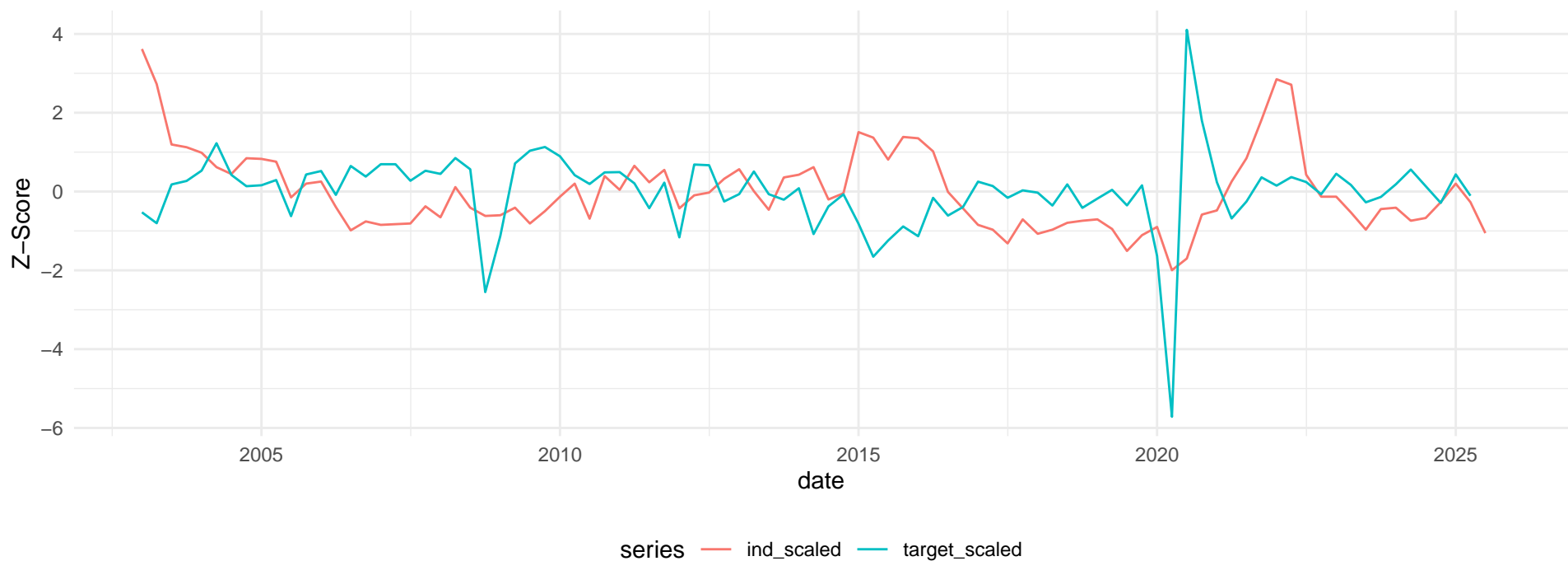
Corr: -0.04



Cross-Correlation (Quarterly Lags): IPCA\_MA

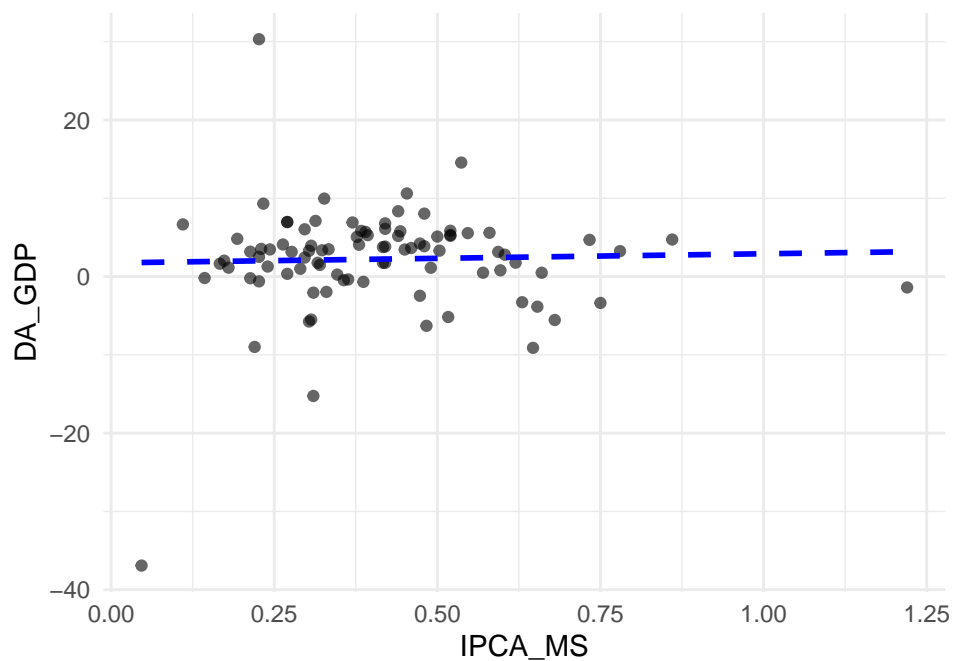


Standardized Time Series: IPCA\_MA

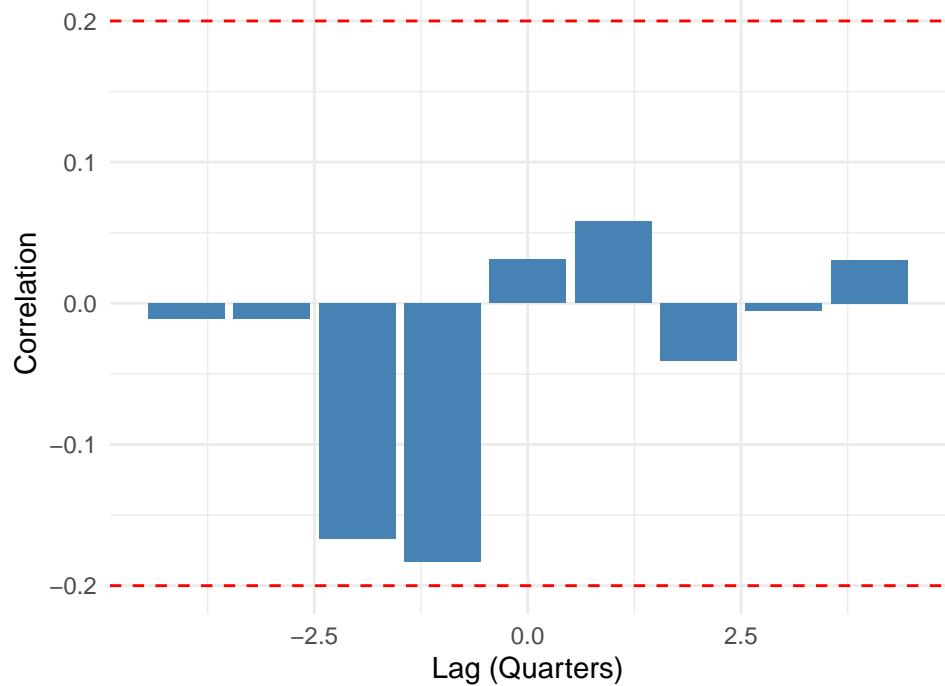


Scatter: IPCA\_MS vs Target

Corr: 0.03



Cross-Correlation (Quarterly Lags): IPCA\_MS

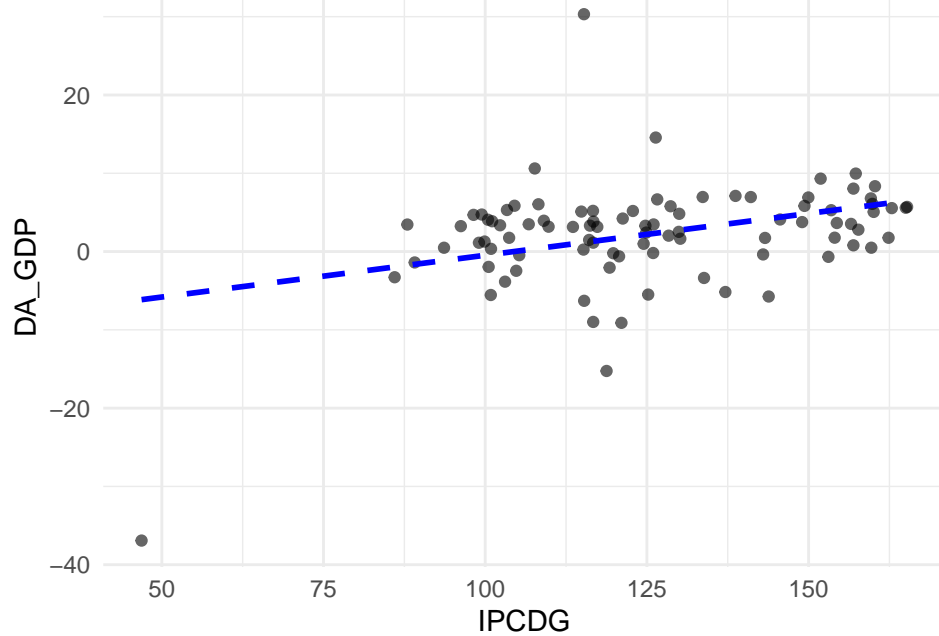


Standardized Time Series: IPCA\_MS

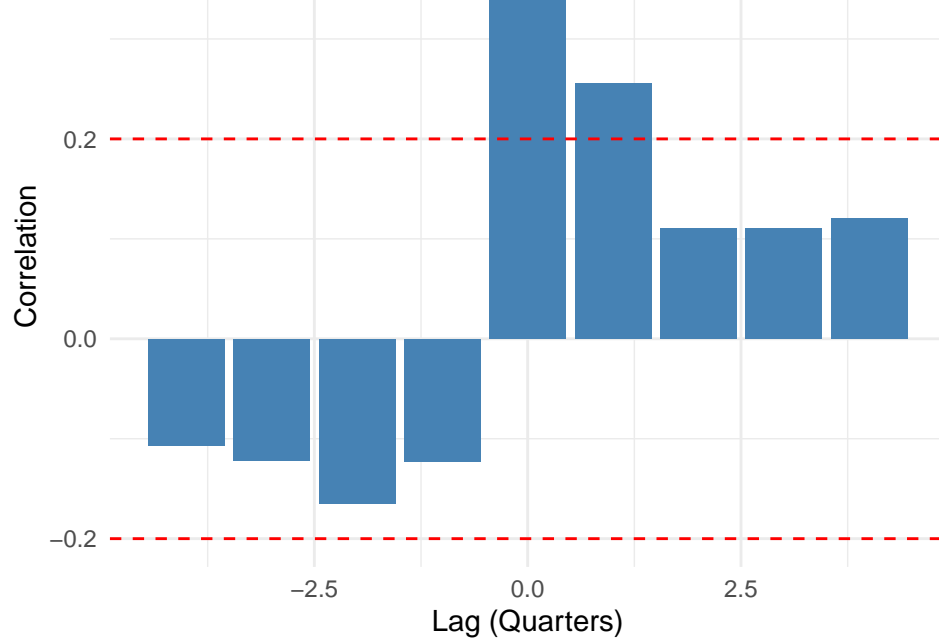


### Scatter: IPCDG vs Target

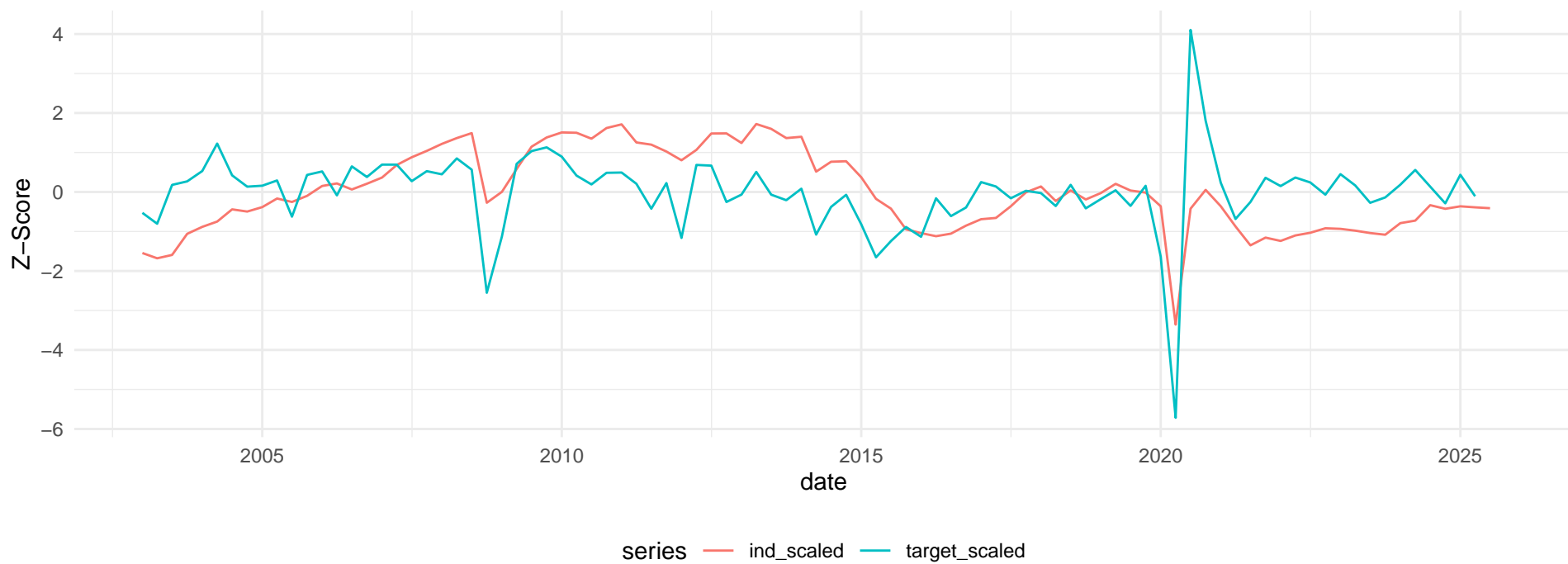
Corr: 0.37



### Cross-Correlation (Quarterly Lags): IPCDG

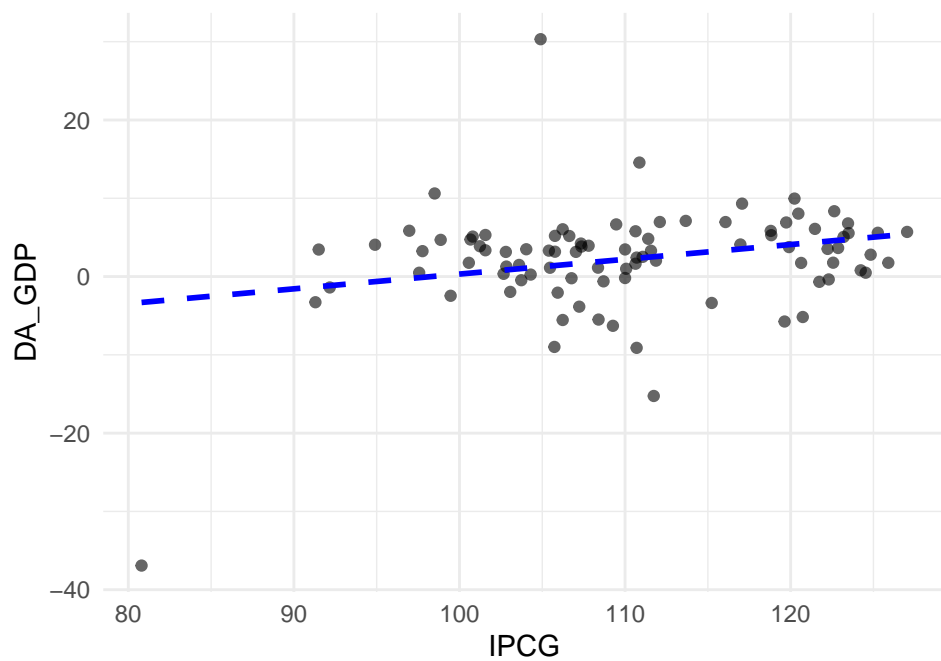


### Standardized Time Series: IPCDG

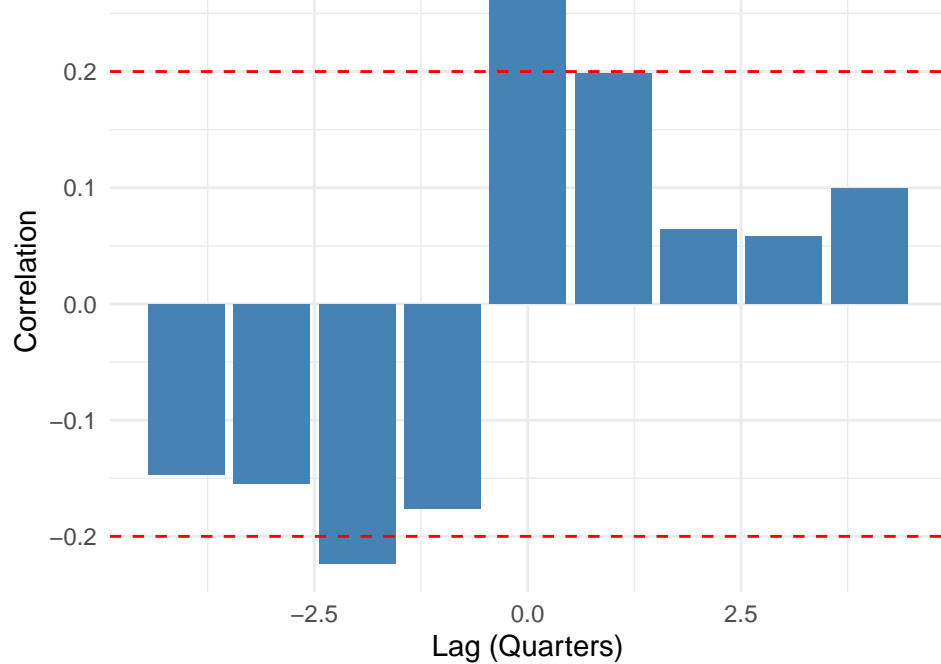


### Scatter: IPCG vs Target

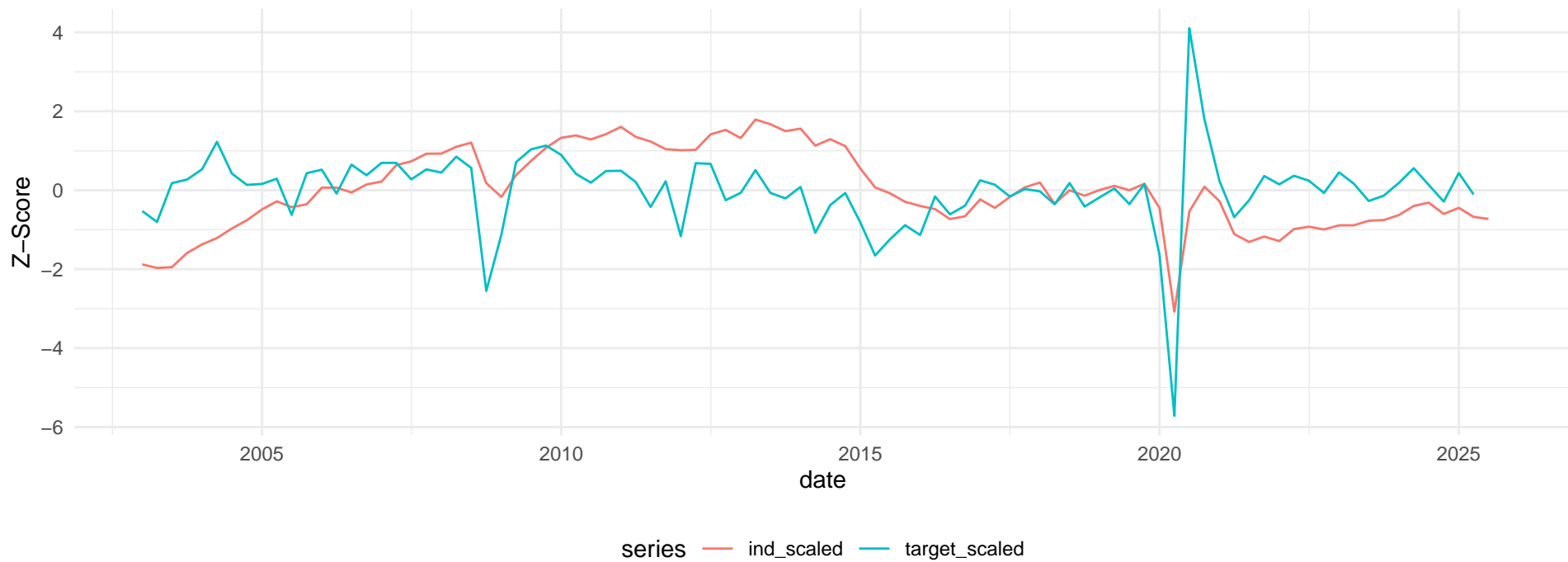
Corr: 0.26



### Cross-Correlation (Quarterly Lags): IPCG

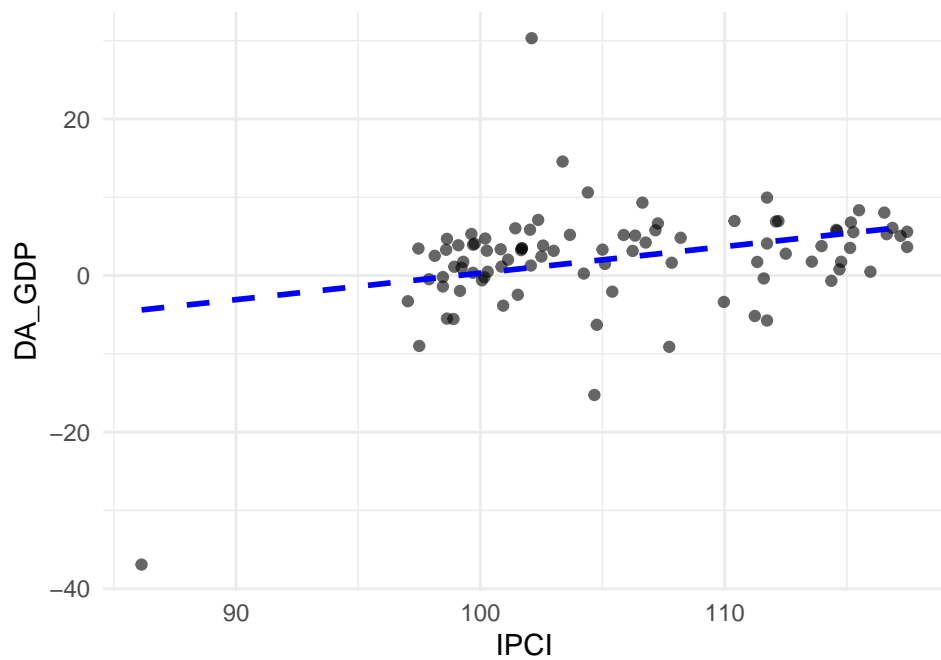


### Standardized Time Series: IPCG

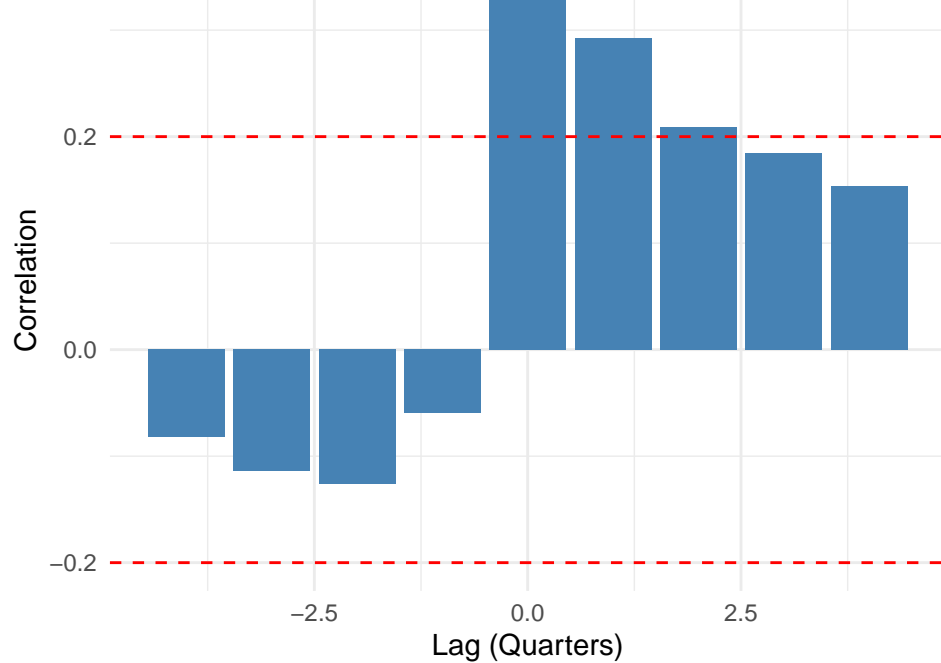


### Scatter: IPCI vs Target

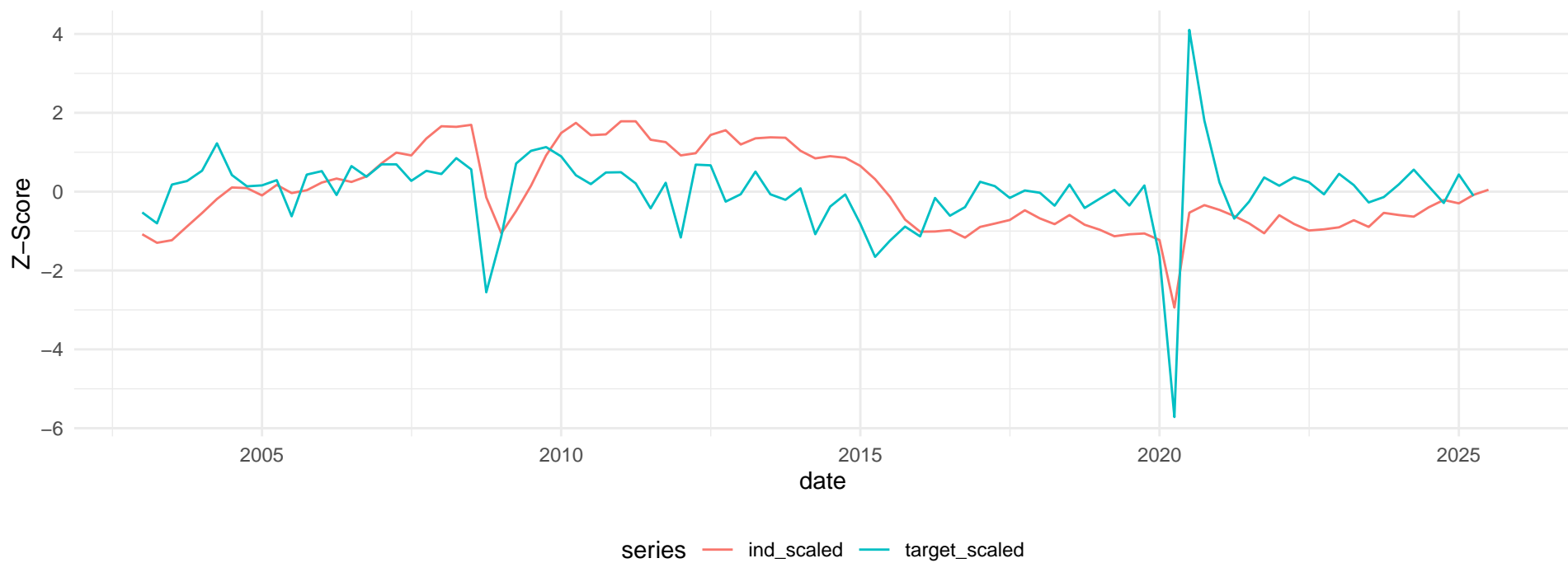
Corr: 0.33



### Cross-Correlation (Quarterly Lags): IPCI

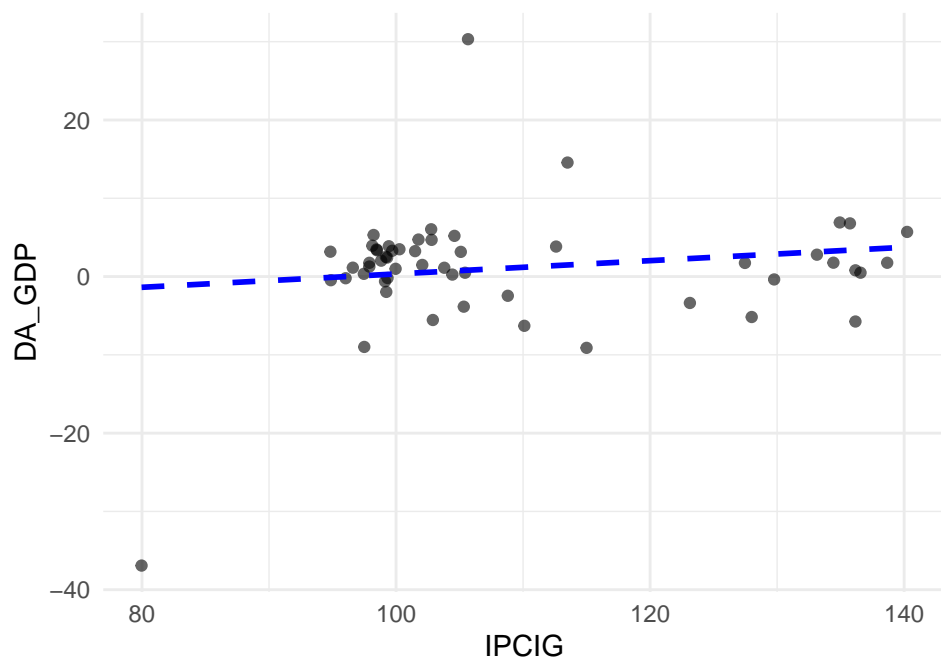


### Standardized Time Series: IPCI

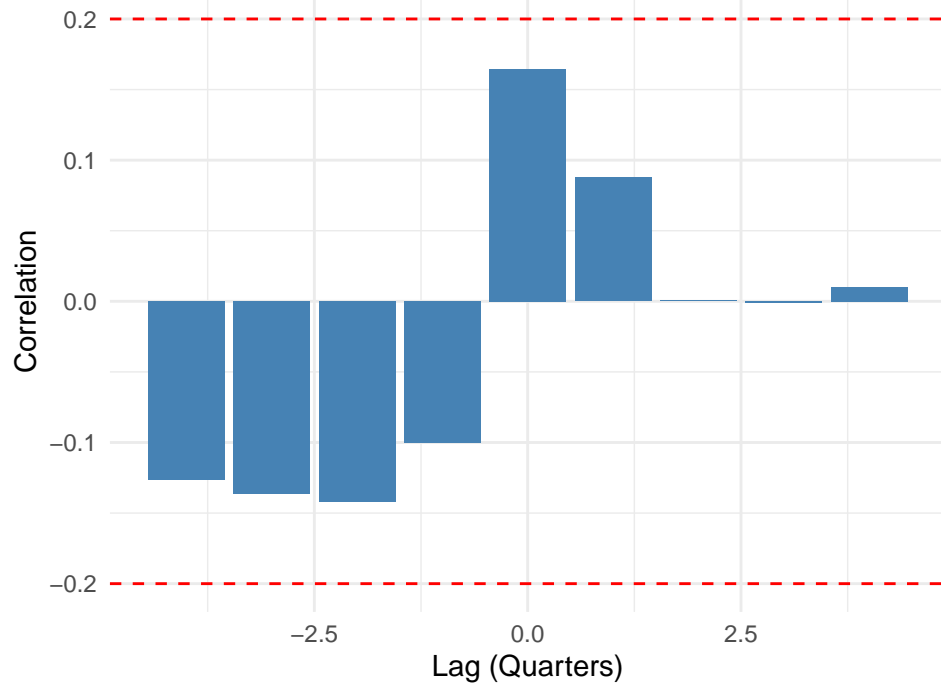


Scatter: IPCIG vs Target

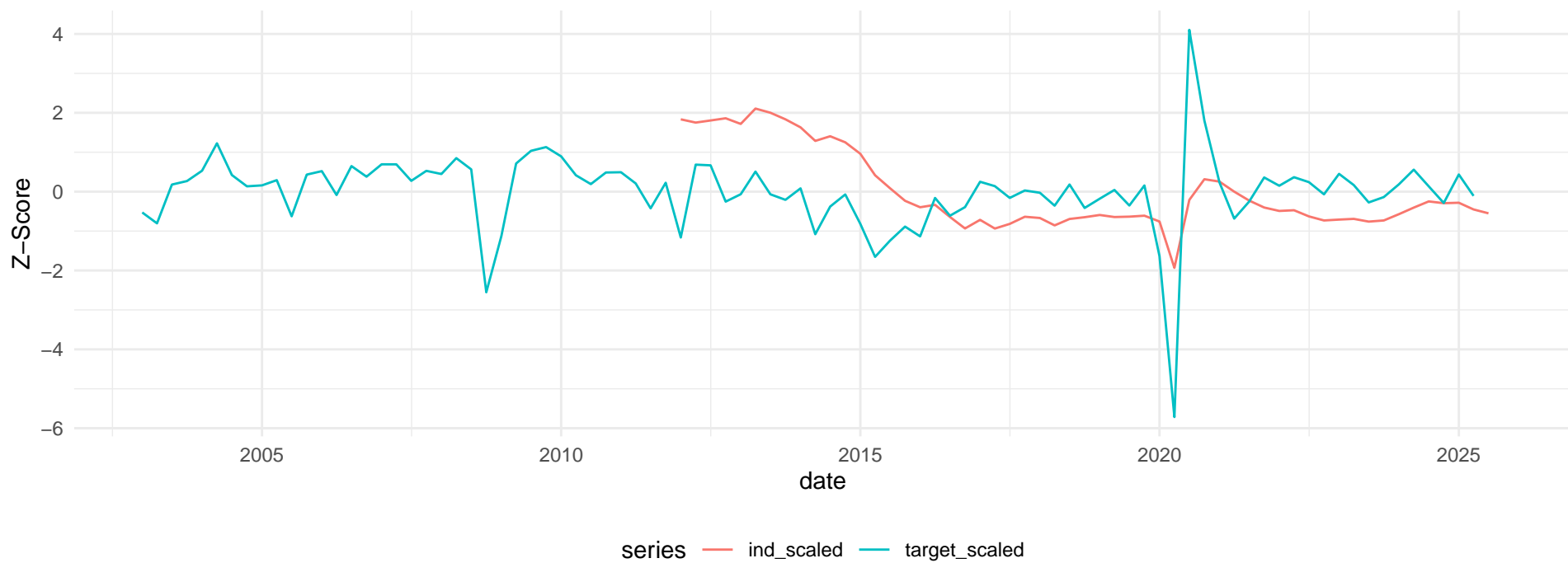
Corr: 0.16



Cross-Correlation (Quarterly Lags): IPCIG

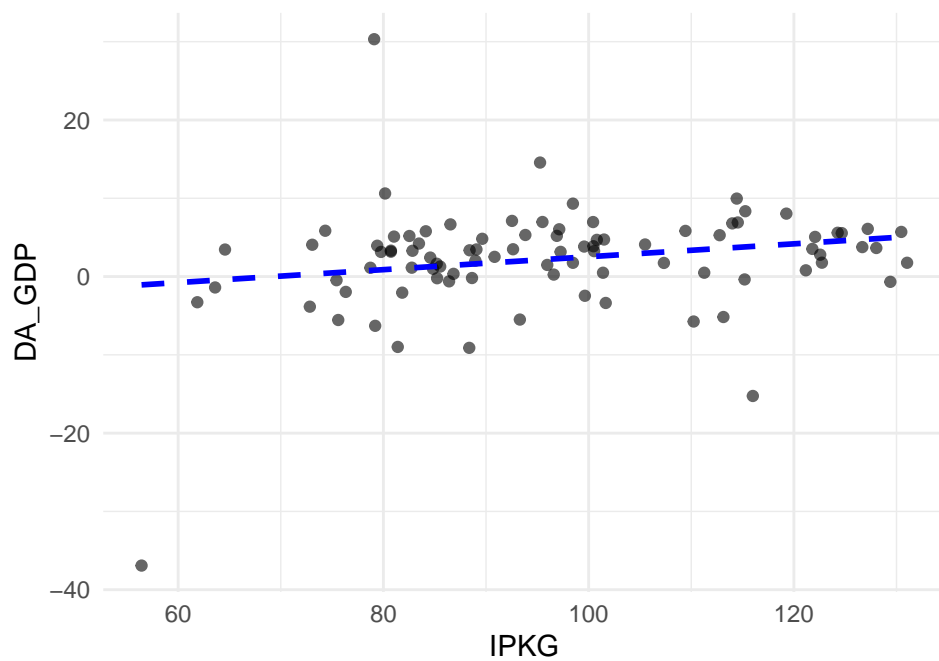


Standardized Time Series: IPCIG

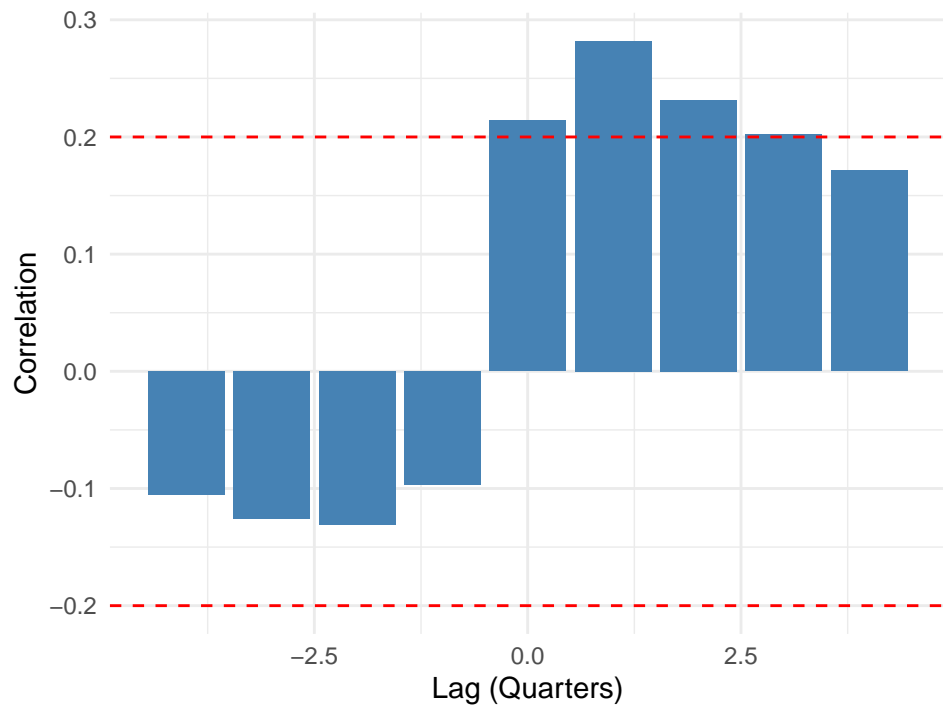


### Scatter: IPKG vs Target

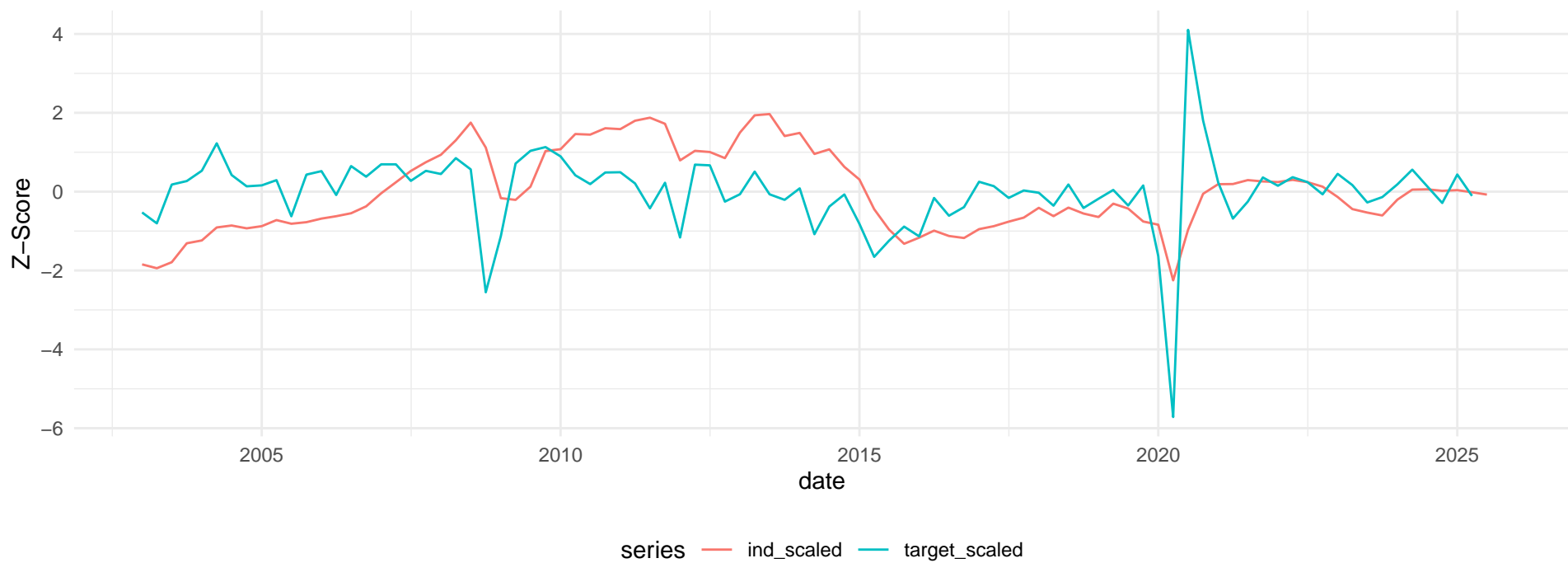
Corr: 0.21



### Cross-Correlation (Quarterly Lags): IPKG

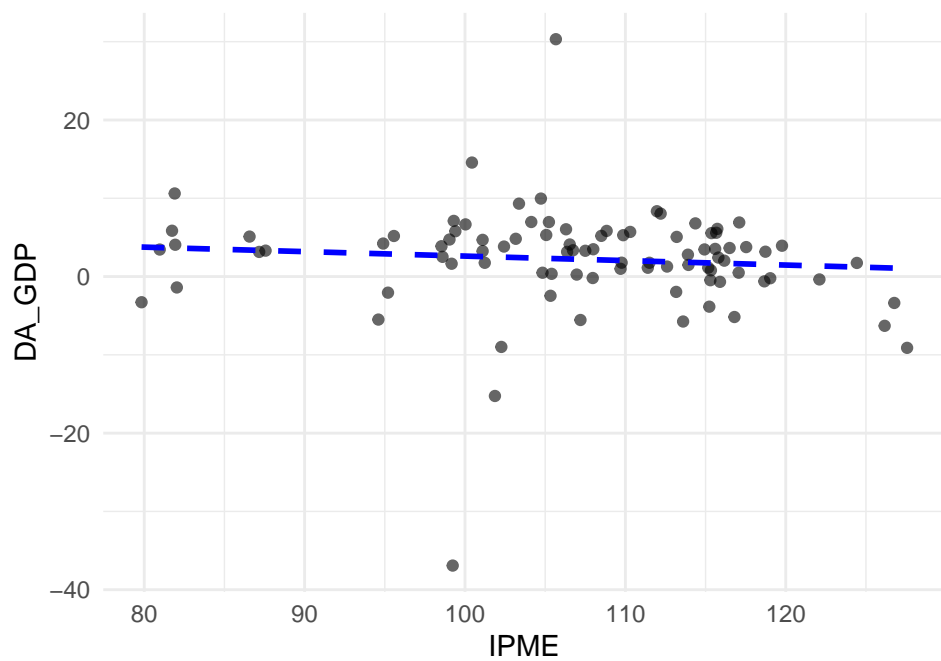


### Standardized Time Series: IPKG

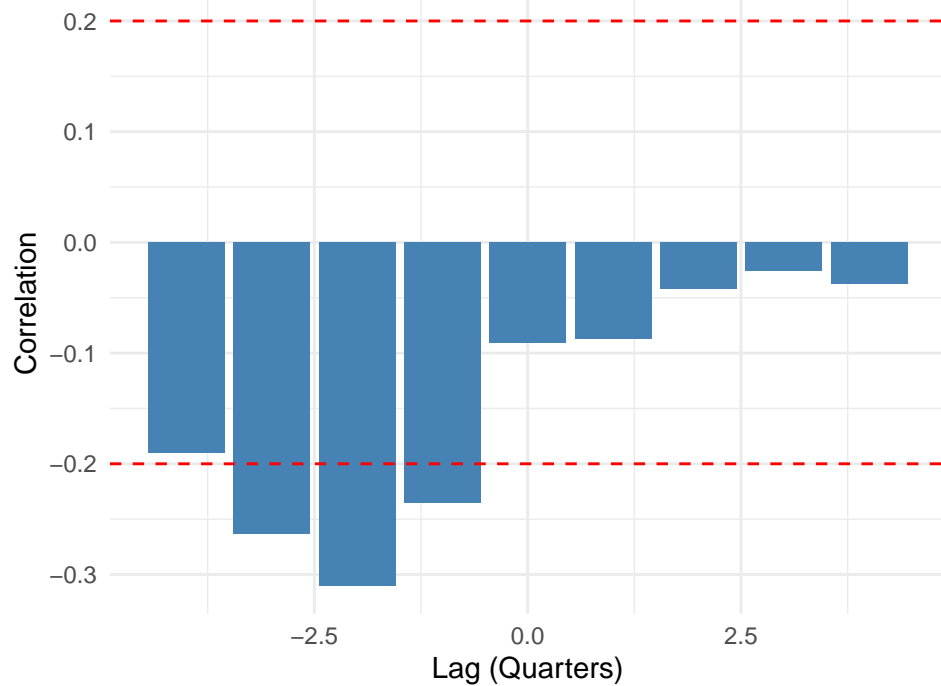


### Scatter: IPME vs Target

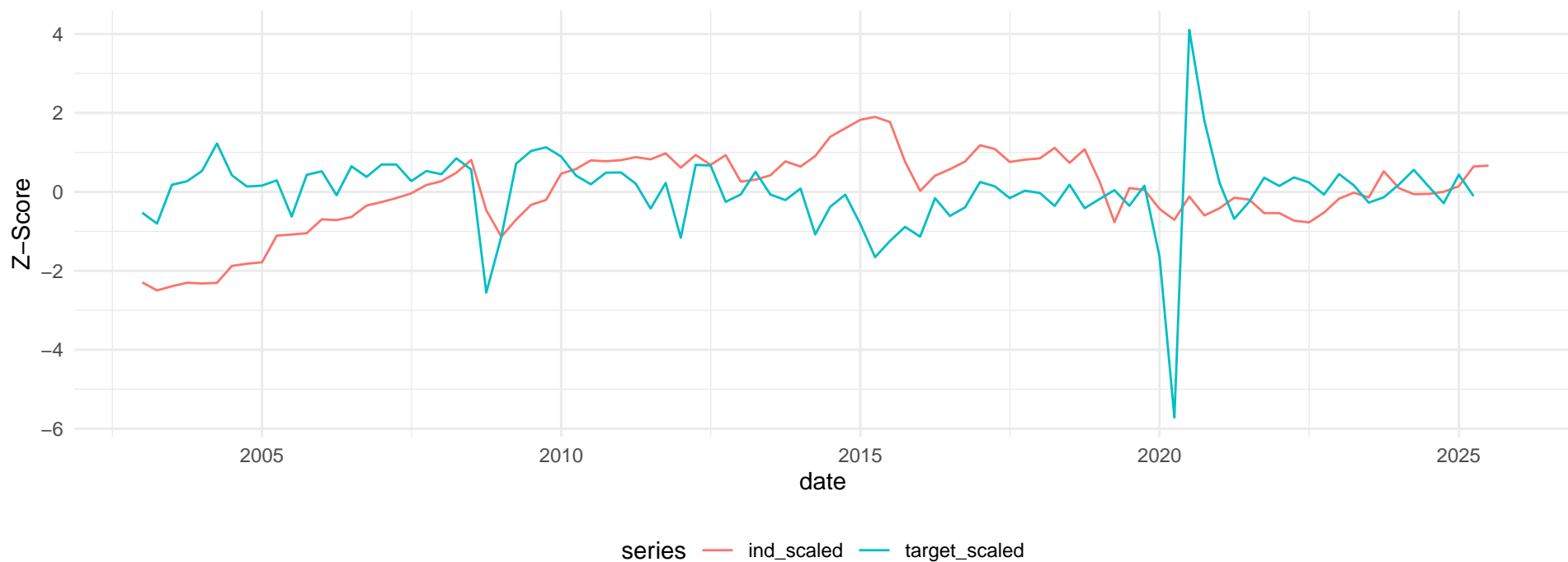
Corr: -0.09



### Cross-Correlation (Quarterly Lags): IPME



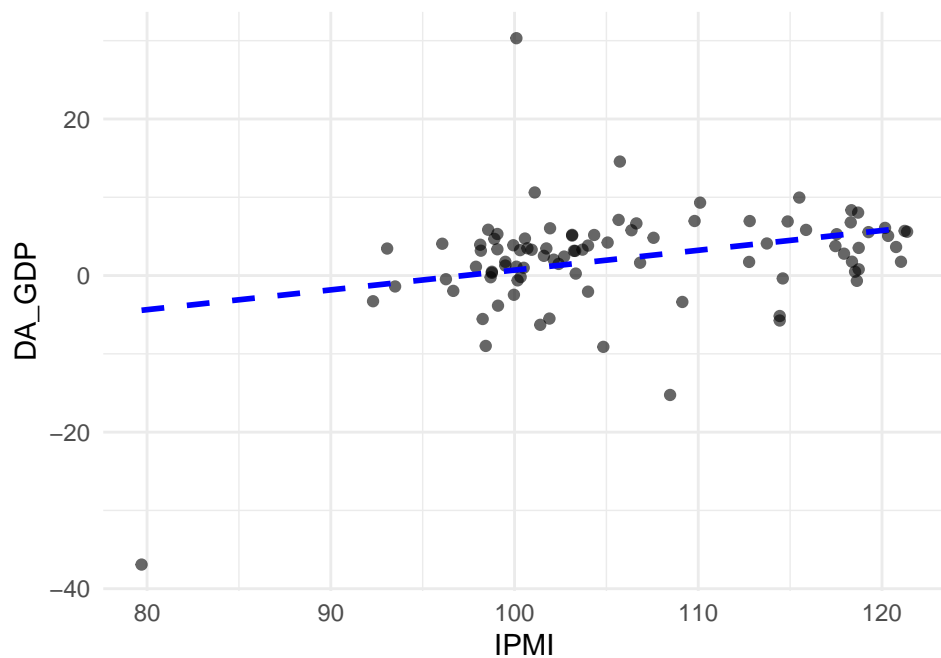
### Standardized Time Series: IPME



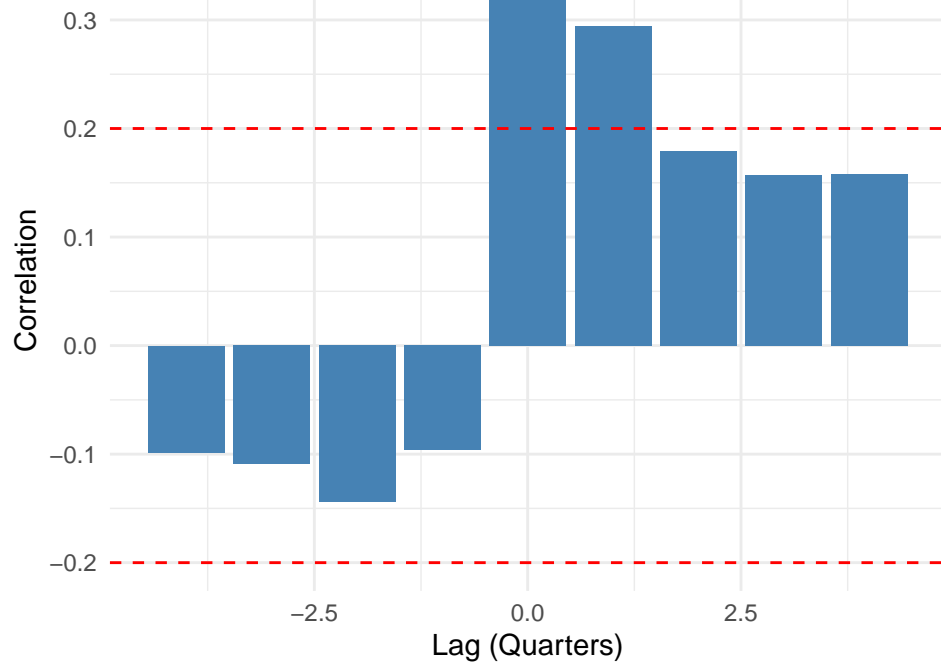


### Scatter: IPMI vs Target

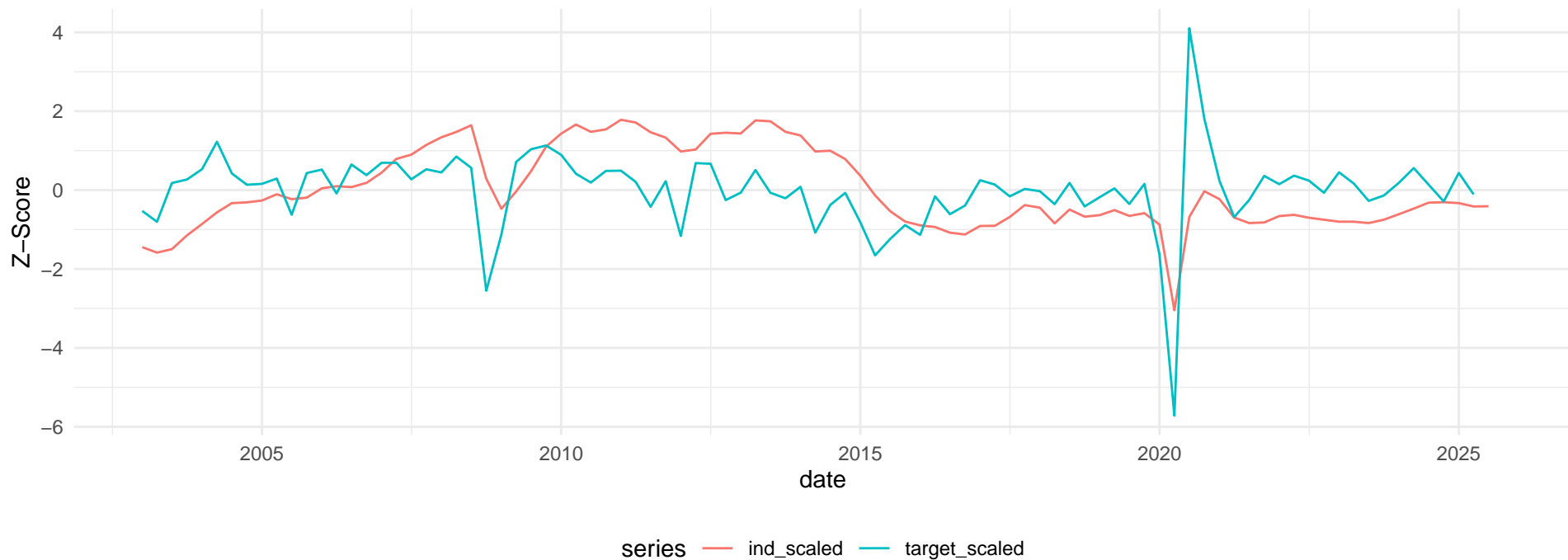
Corr: 0.32



### Cross-Correlation (Quarterly Lags): IPMI

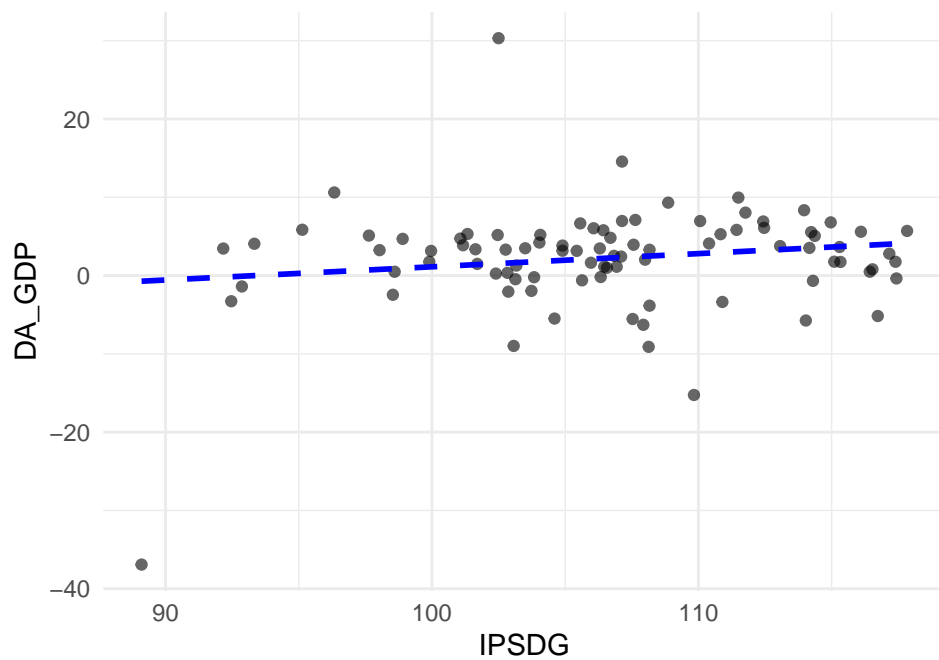


### Standardized Time Series: IPMI

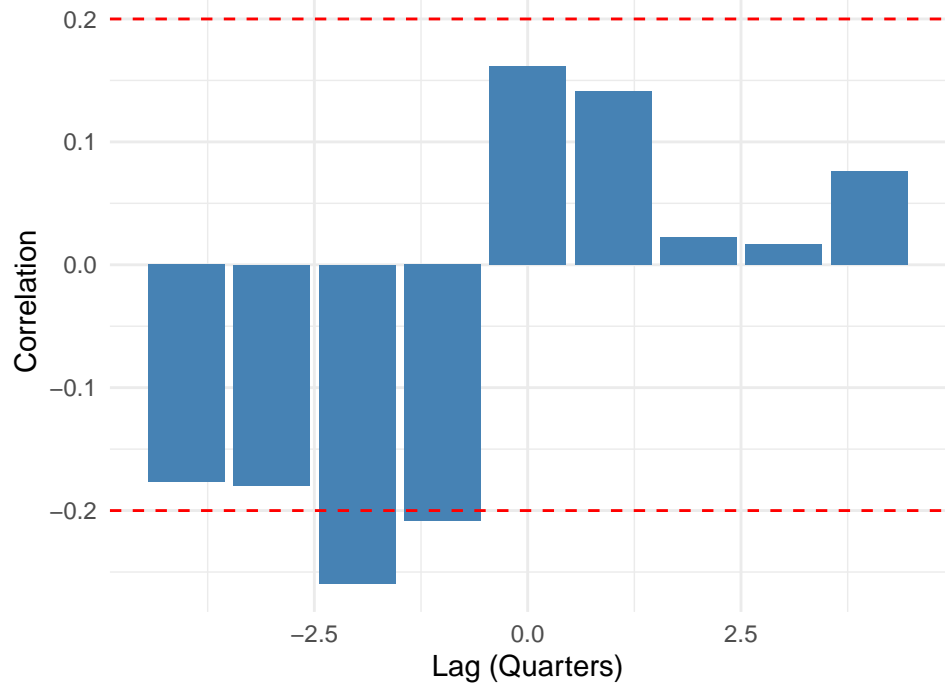


Scatter: IPSDG vs Target

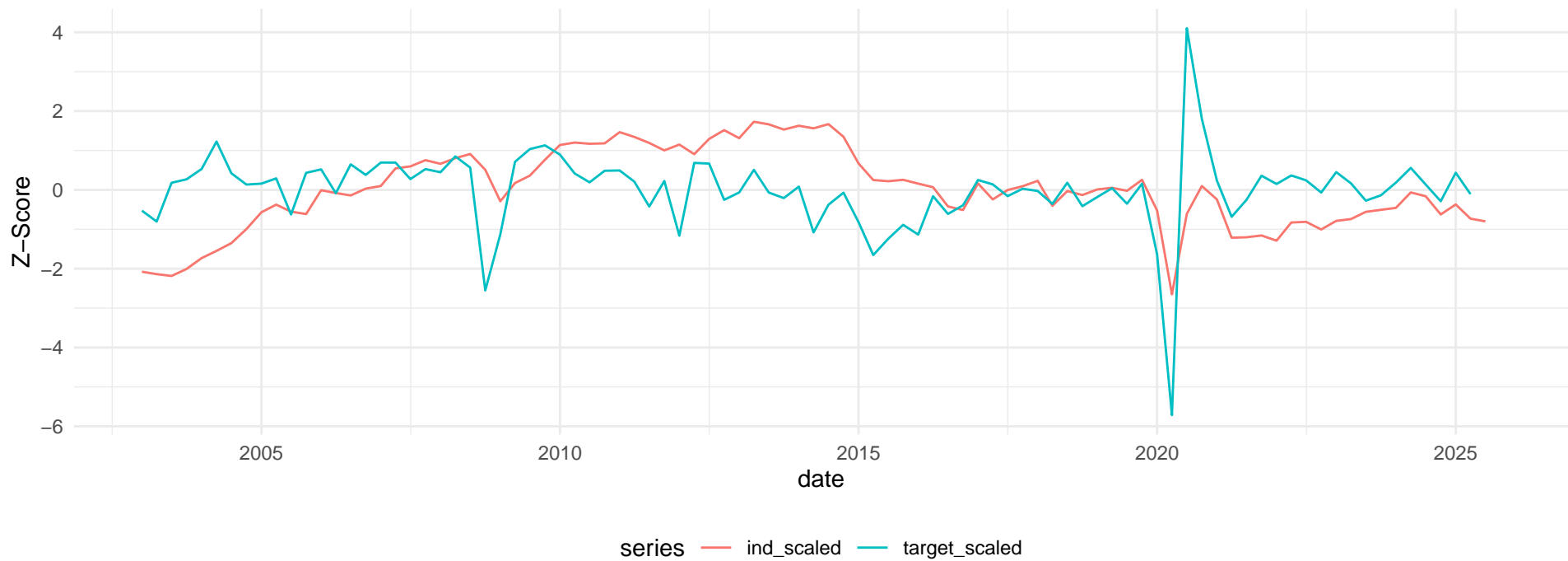
Corr: 0.16



Cross-Correlation (Quarterly Lags): IPSDG

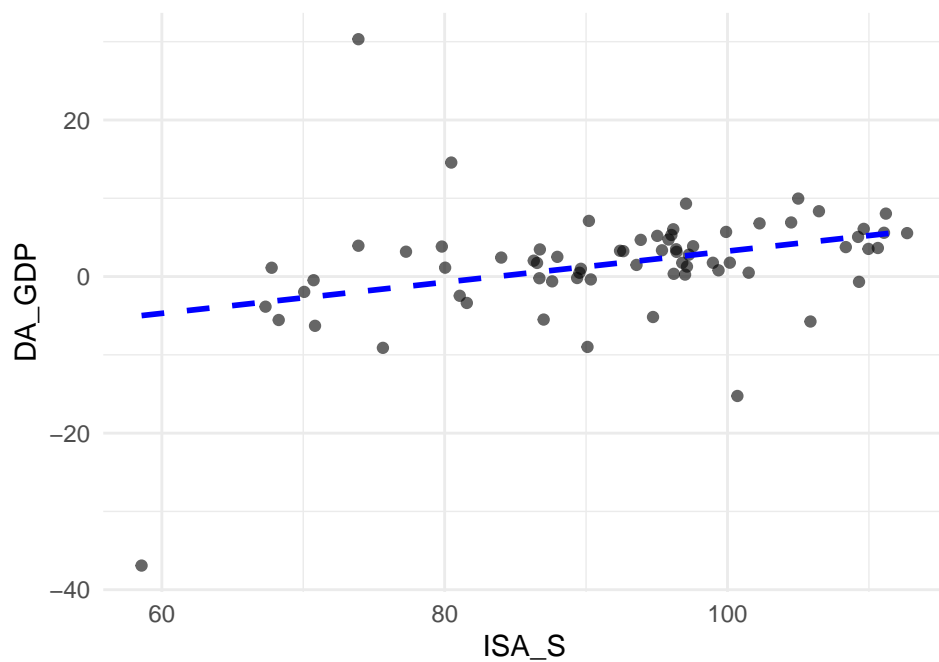


Standardized Time Series: IPSDG

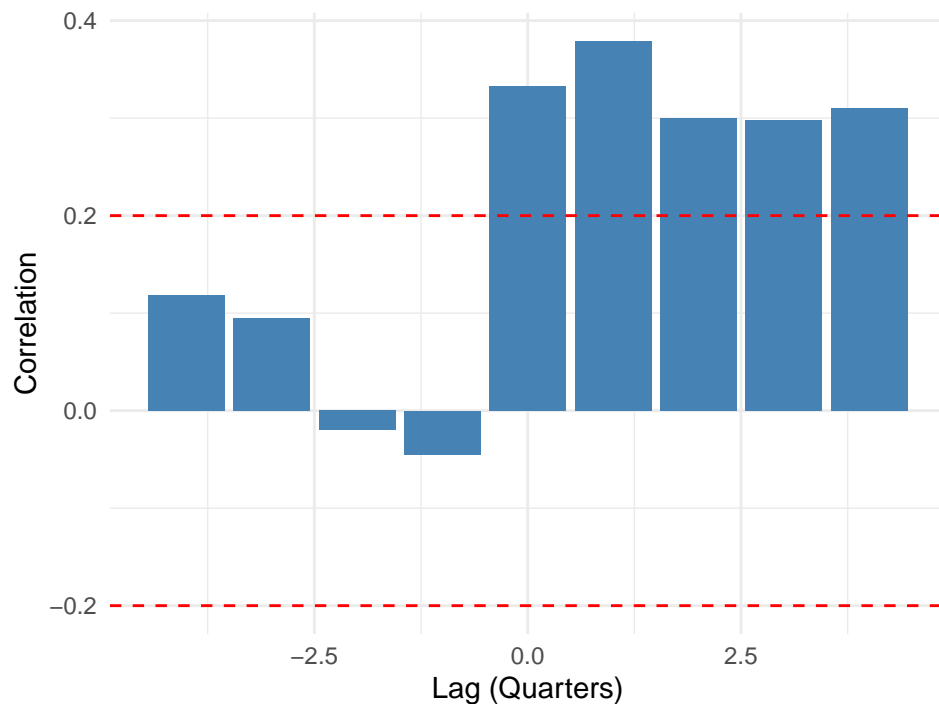


### Scatter: ISA\_S vs Target

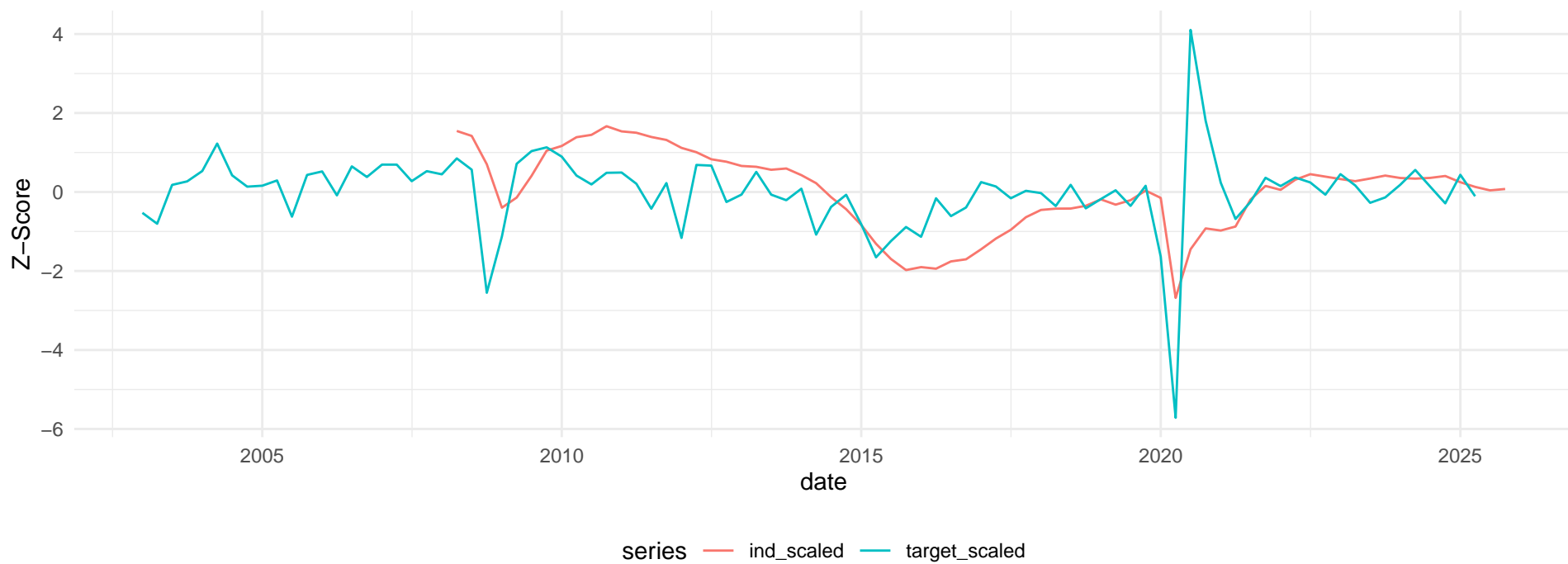
Corr: 0.33



### Cross-Correlation (Quarterly Lags): ISA\_S

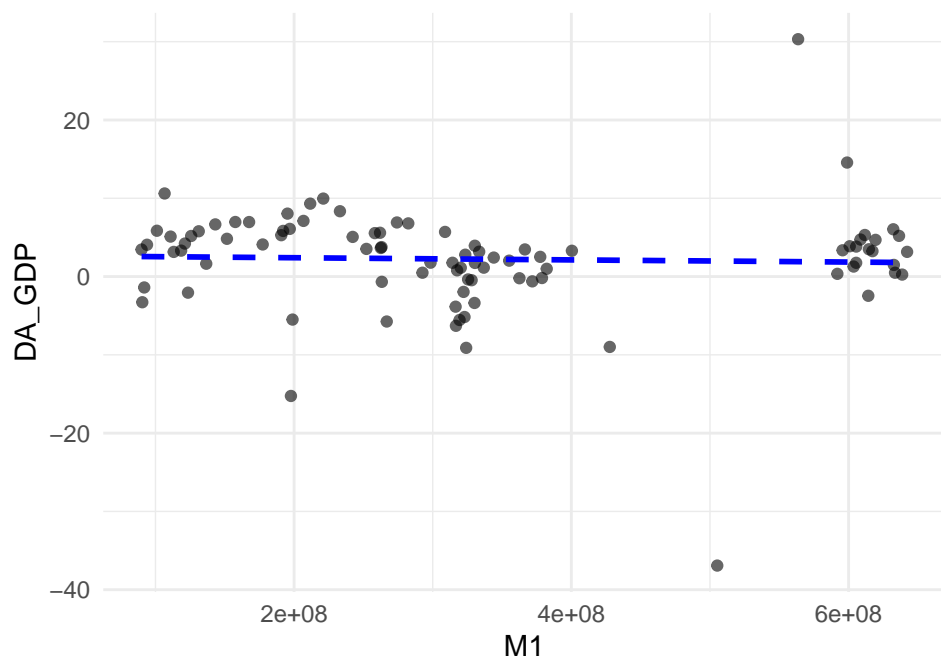


### Standardized Time Series: ISA\_S

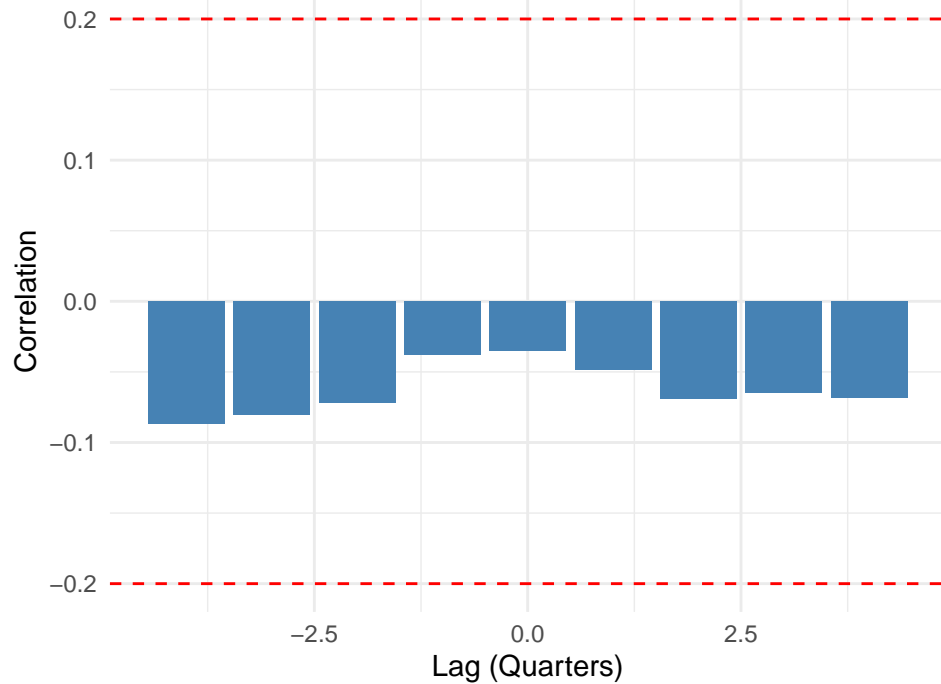


### Scatter: M1 vs Target

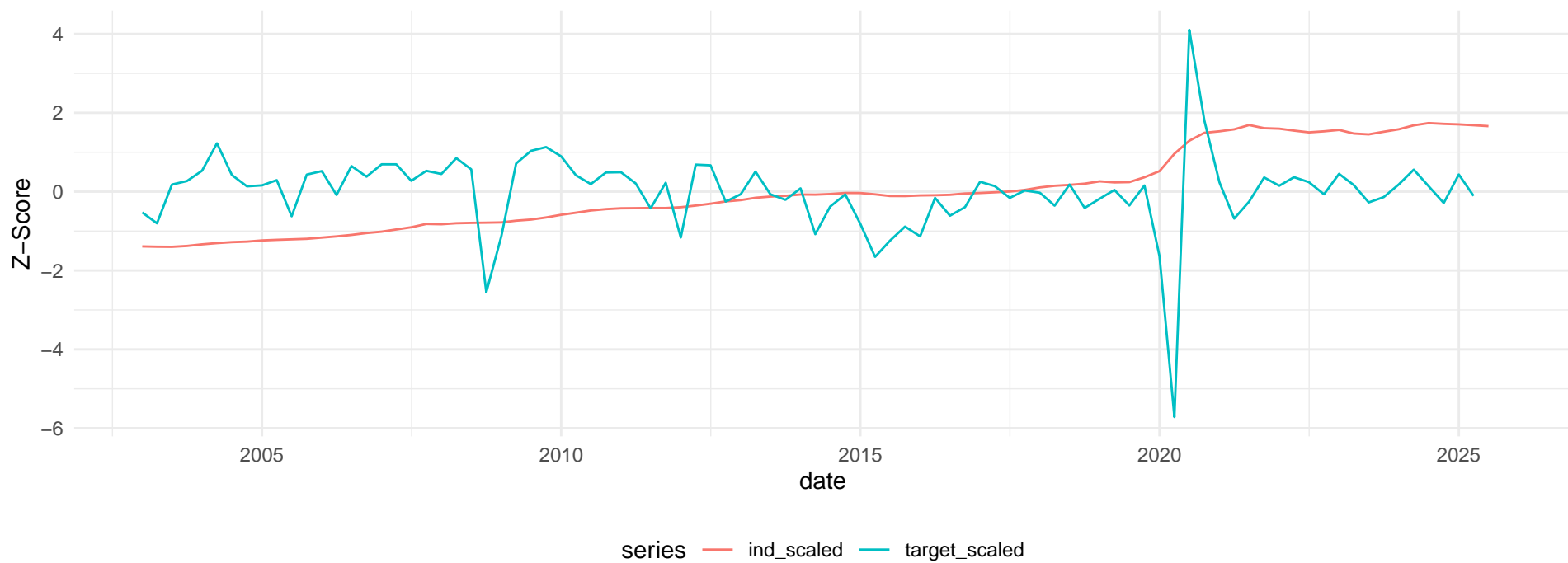
Corr: -0.04



### Cross-Correlation (Quarterly Lags): M1

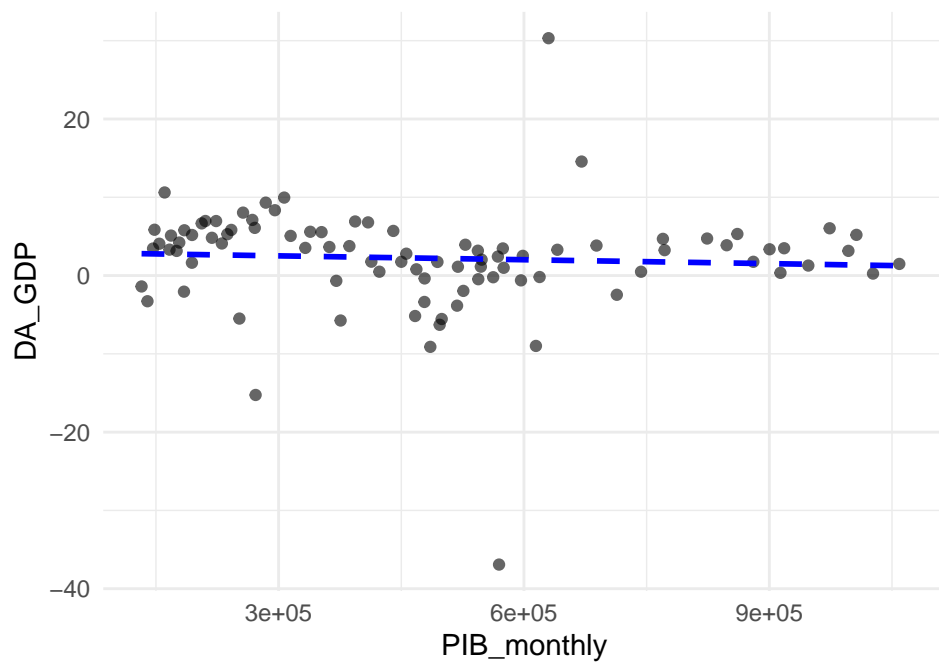


### Standardized Time Series: M1

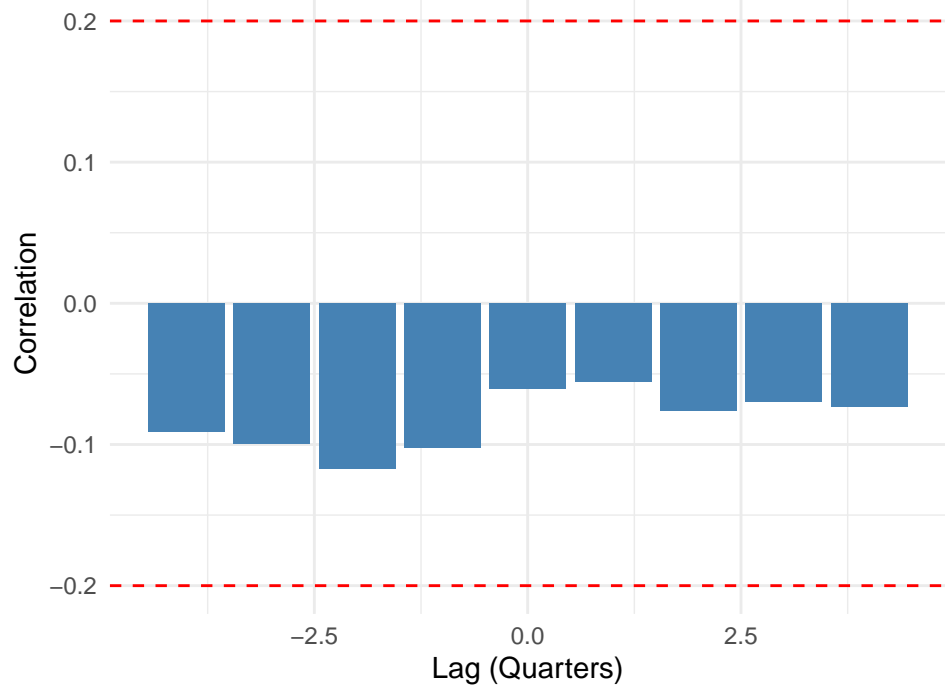


### Scatter: PIB\_monthly vs Target

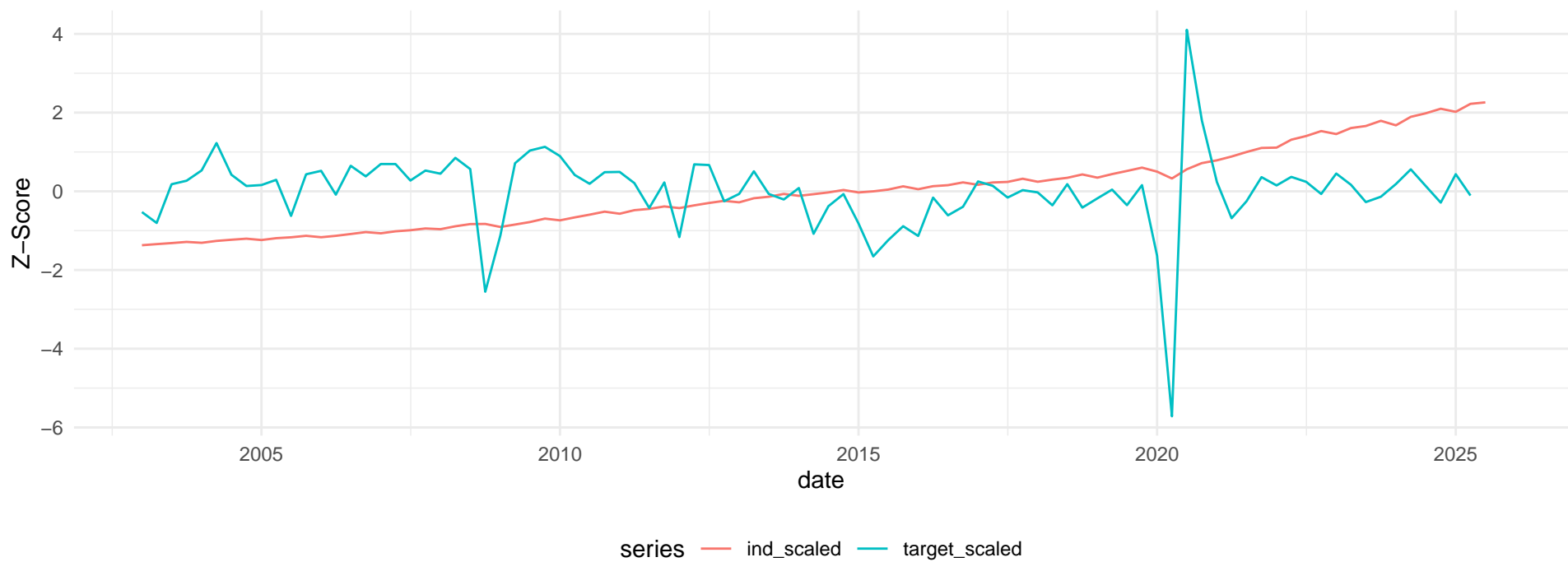
Corr: -0.06



### Cross-Correlation (Quarterly Lags): PIB\_monthly

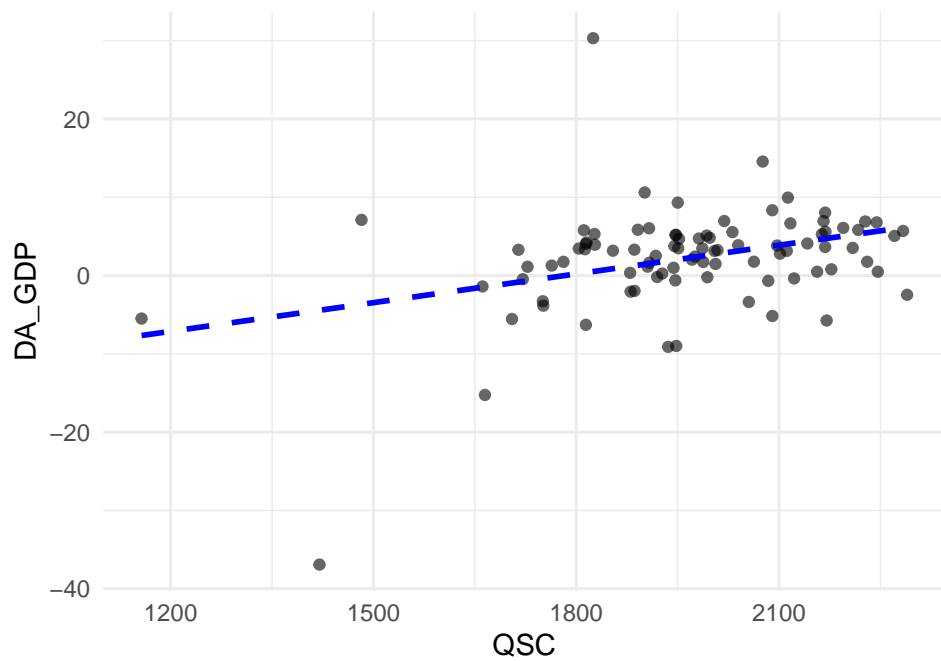


### Standardized Time Series: PIB\_monthly

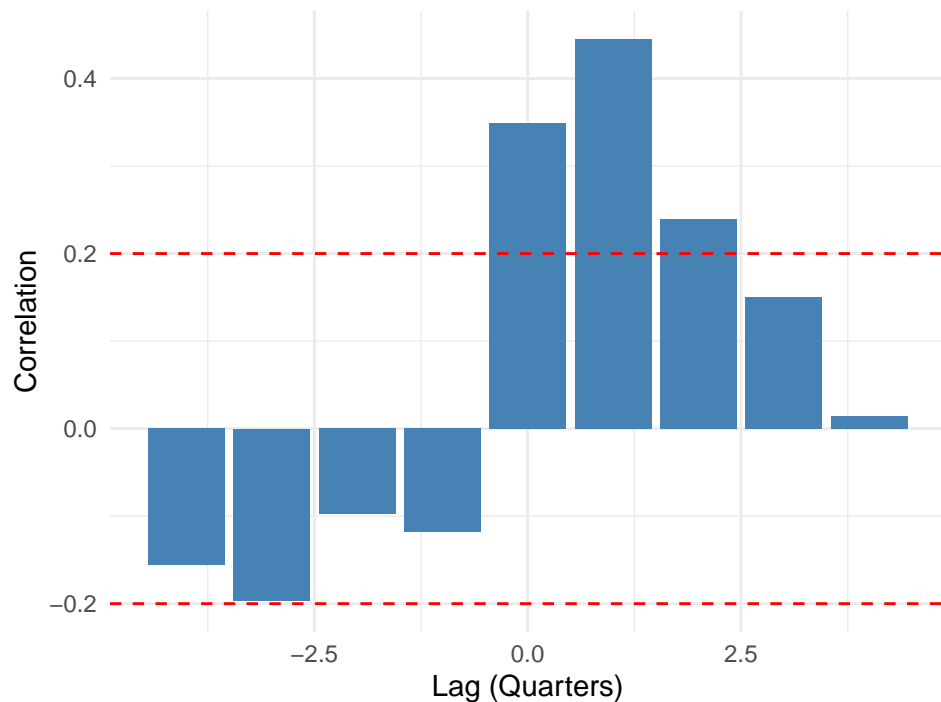


Scatter: QSC vs Target

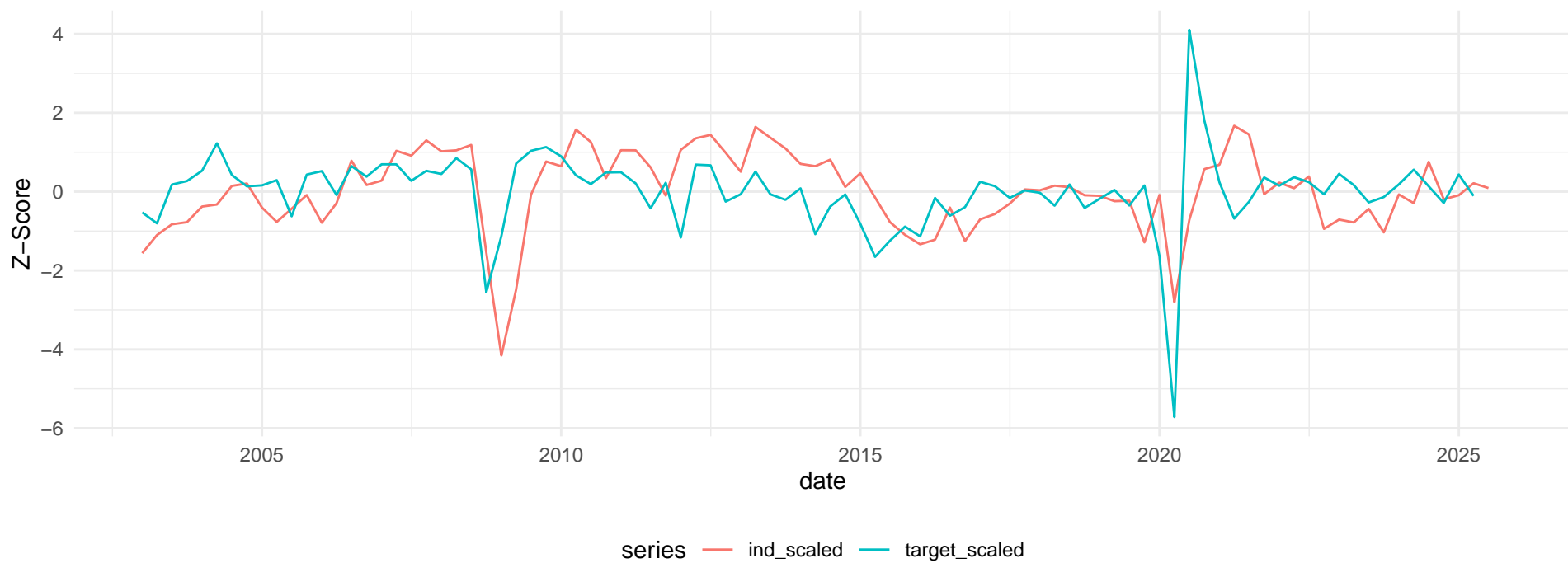
Corr: 0.35



Cross-Correlation (Quarterly Lags): QSC

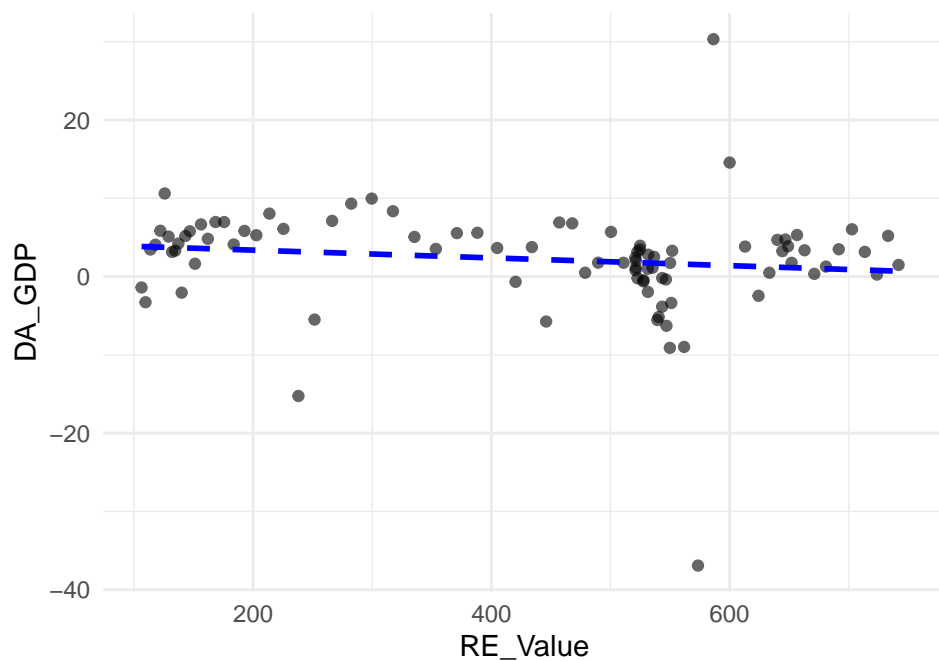


Standardized Time Series: QSC

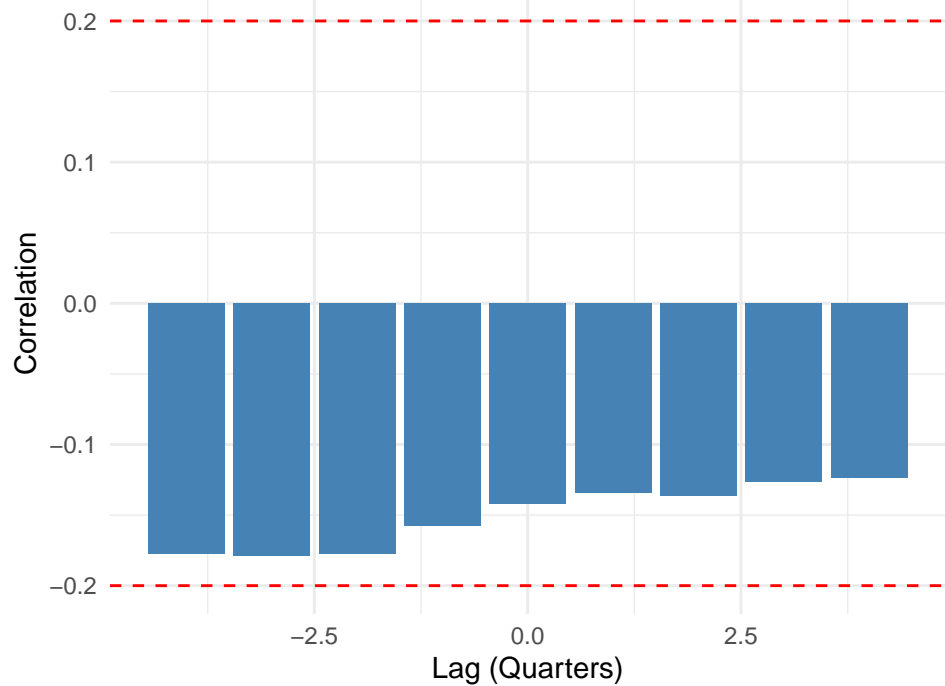


### Scatter: RE\_Value vs Target

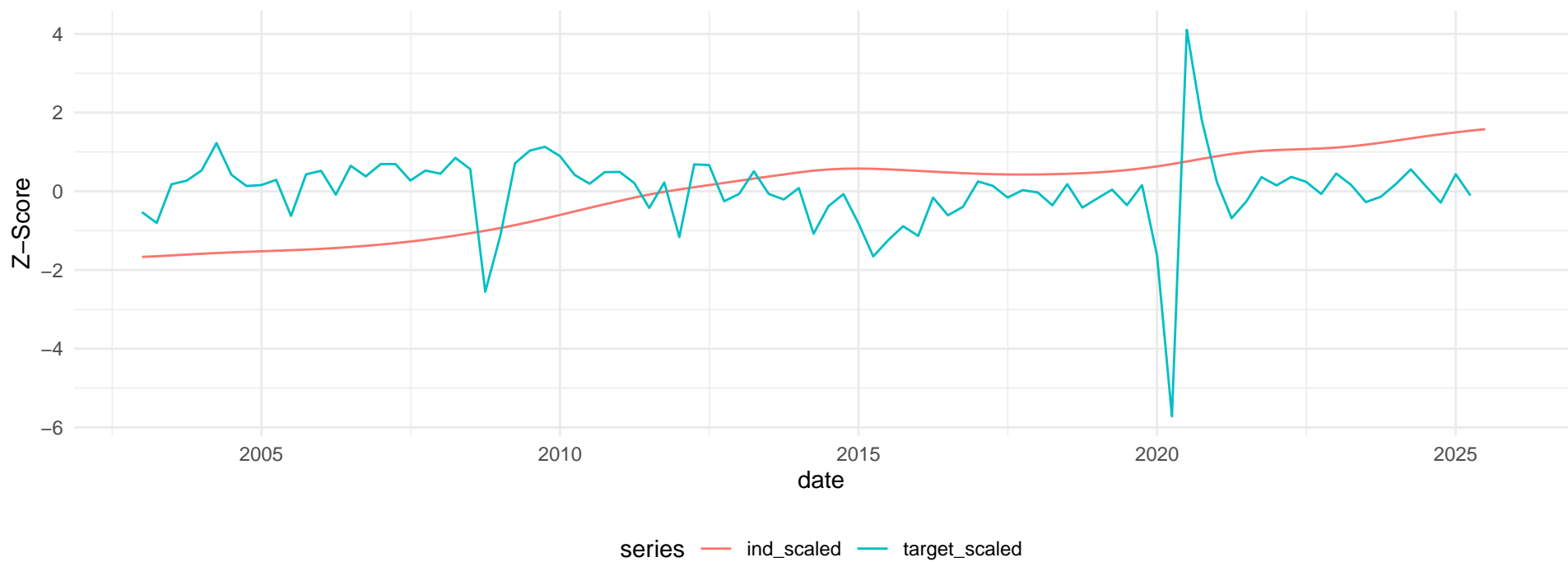
Corr: -0.14



### Cross-Correlation (Quarterly Lags): RE\_Value

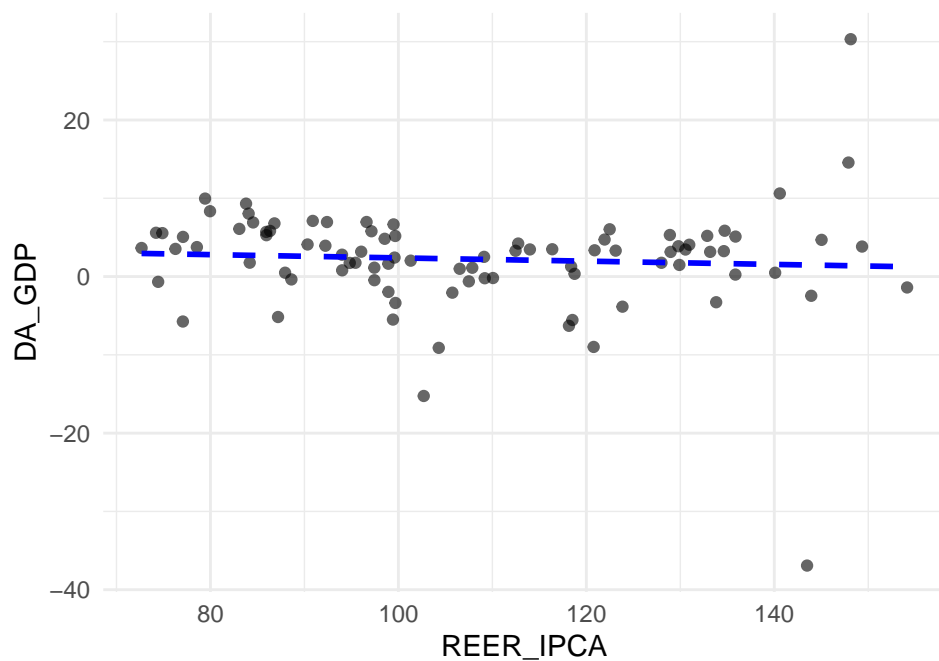


### Standardized Time Series: RE\_Value

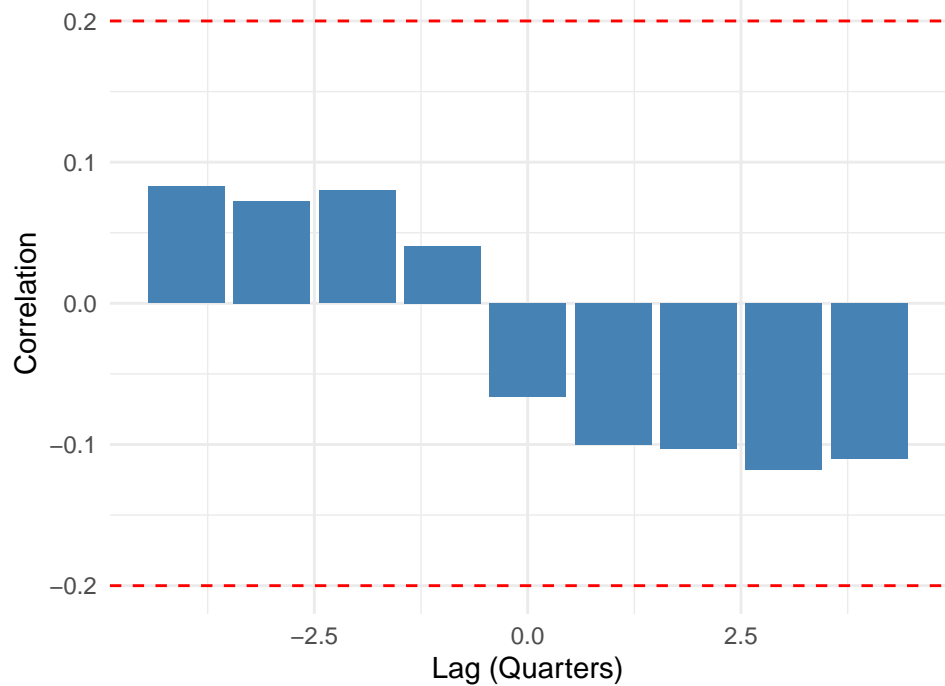


### Scatter: REER\_IPCA vs Target

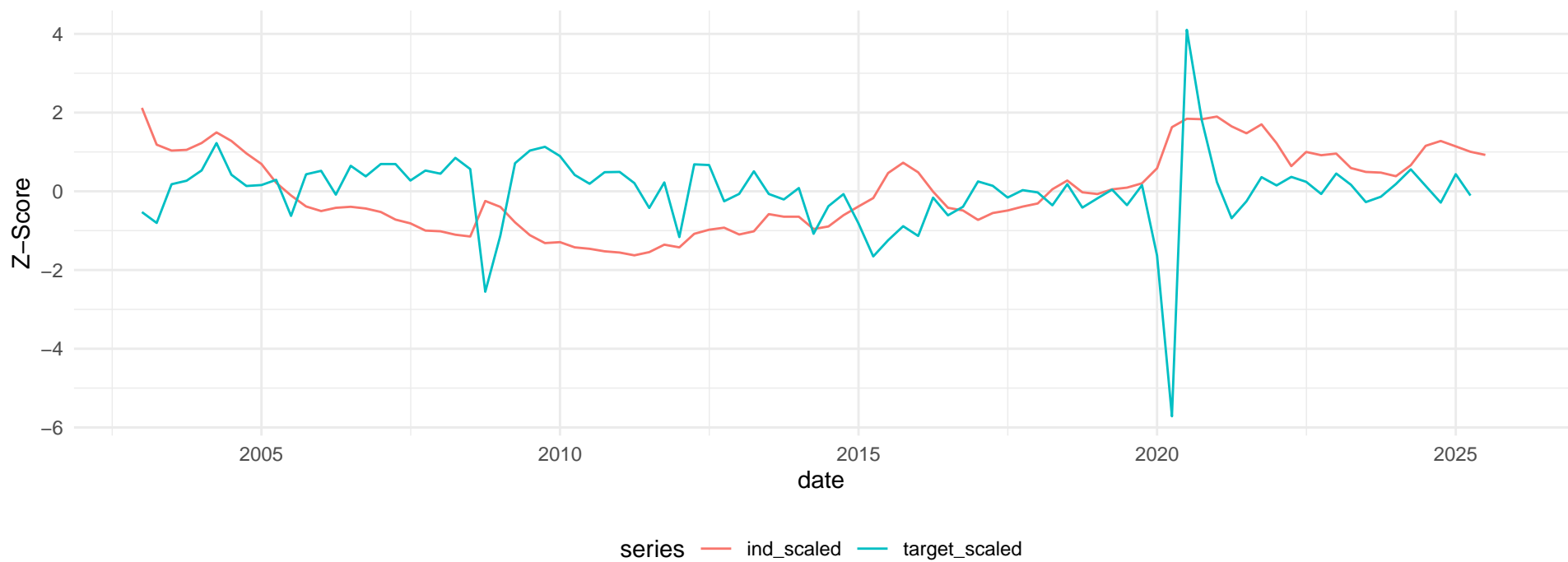
Corr: -0.07



### Cross-Correlation (Quarterly Lags): REER\_IPCA



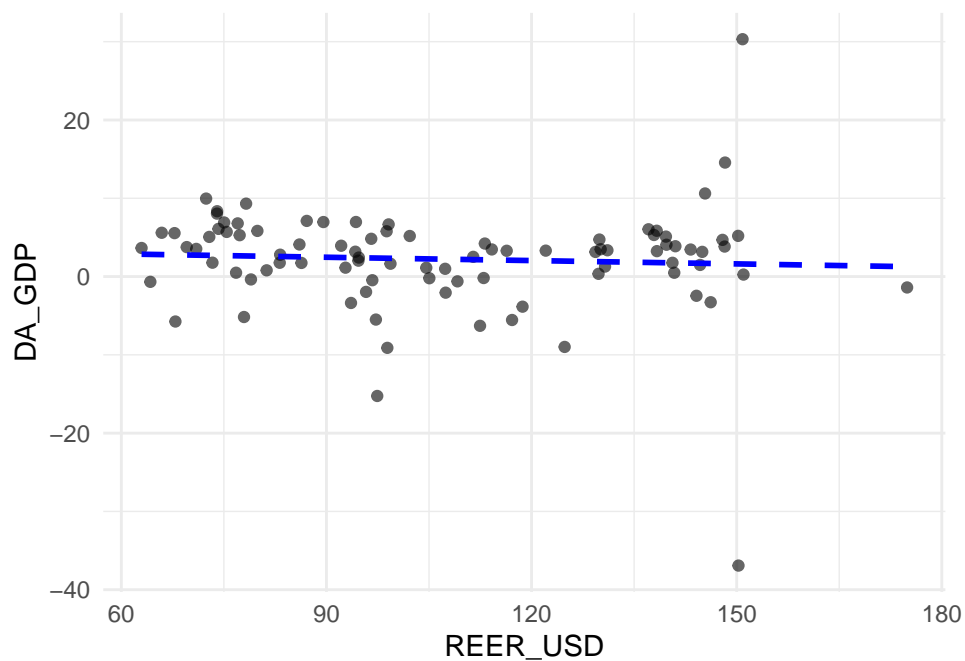
### Standardized Time Series: REER\_IPCA



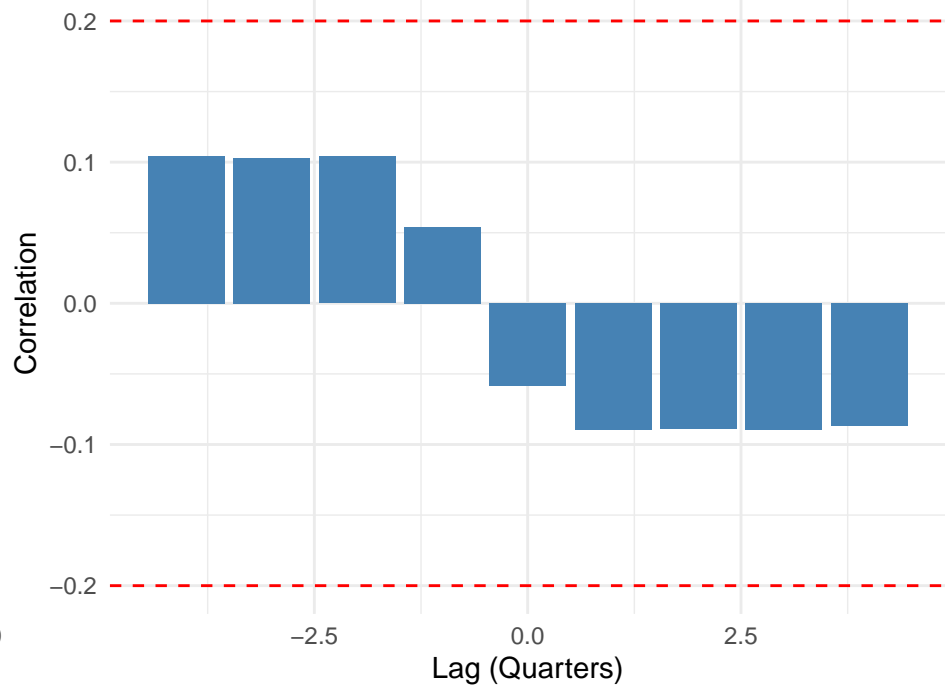


### Scatter: REER\_USD vs Target

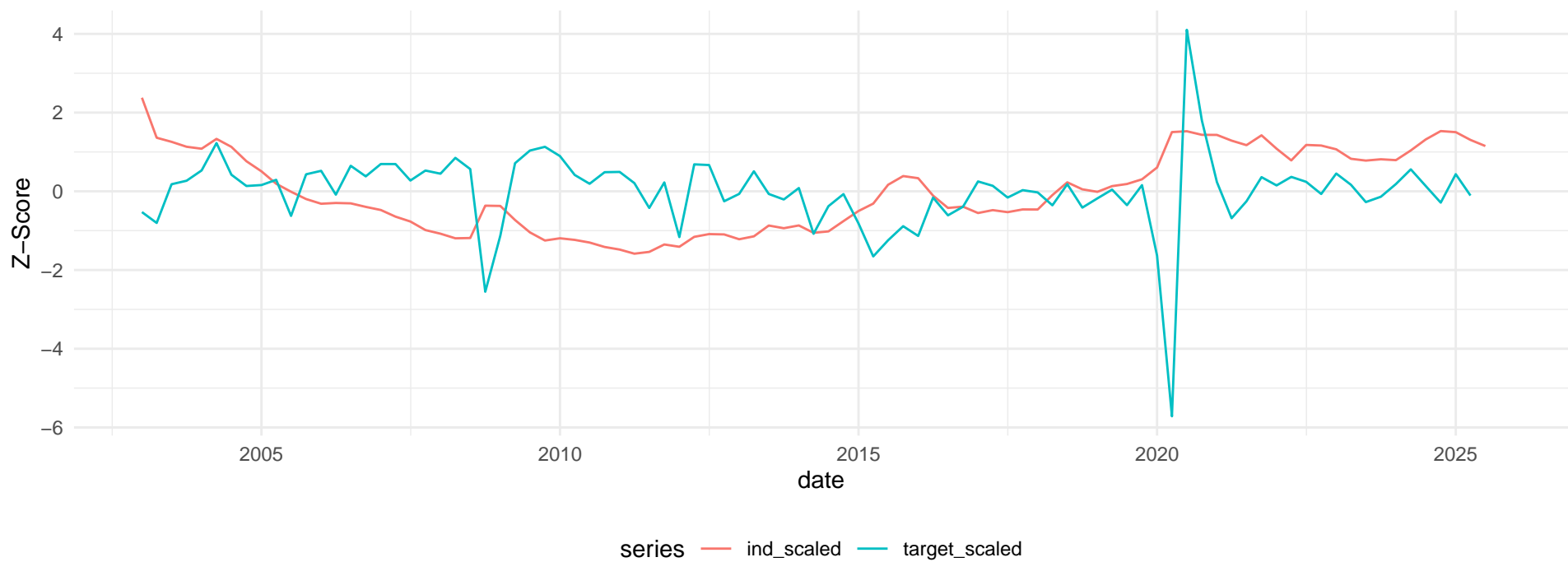
Corr: -0.06



### Cross-Correlation (Quarterly Lags): REER\_USD

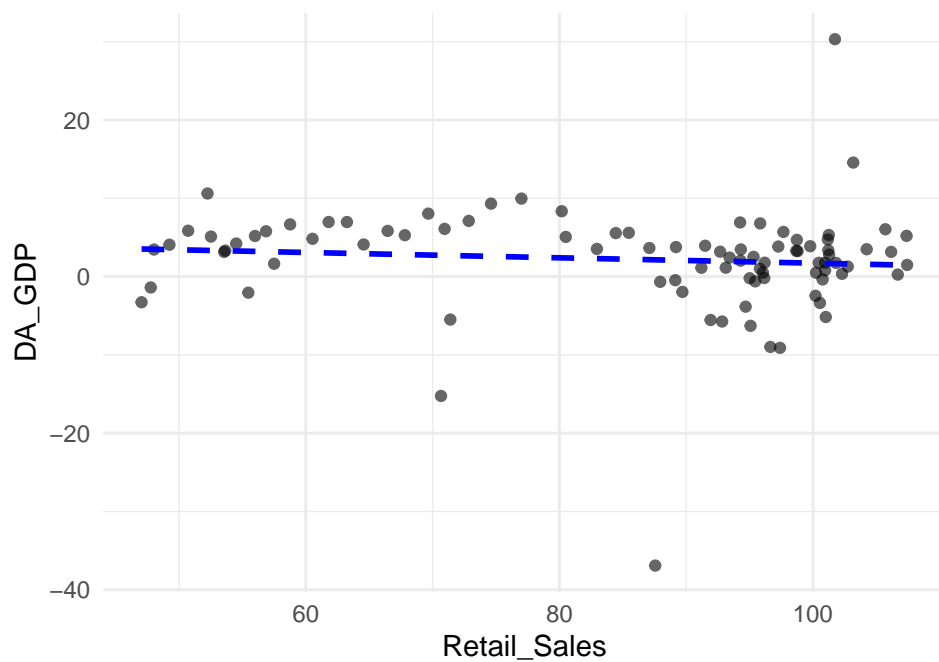


### Standardized Time Series: REER\_USD

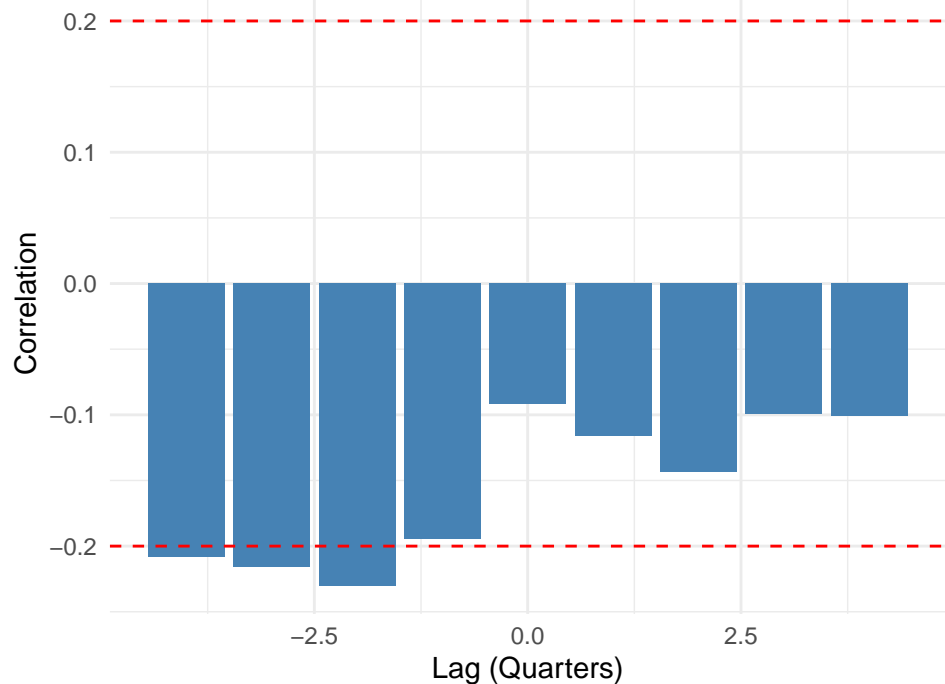


### Scatter: Retail\_Sales vs Target

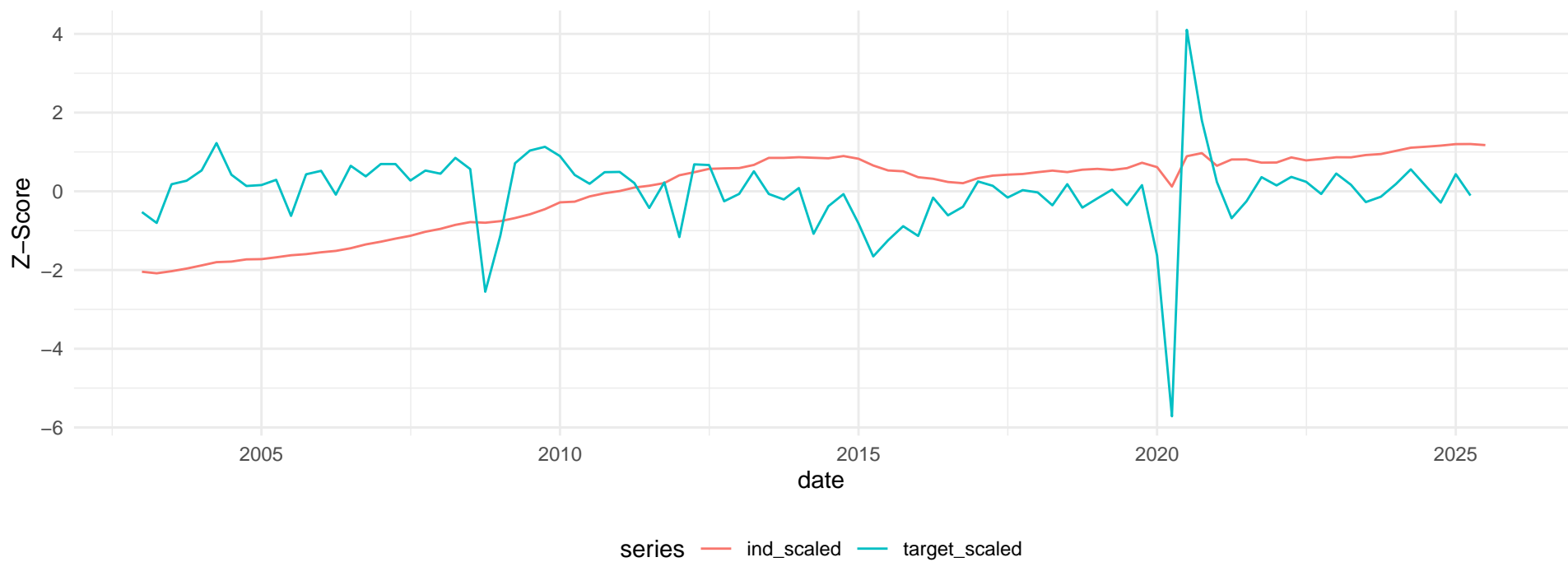
Corr: -0.09



### Cross-Correlation (Quarterly Lags): Retail\_Sales

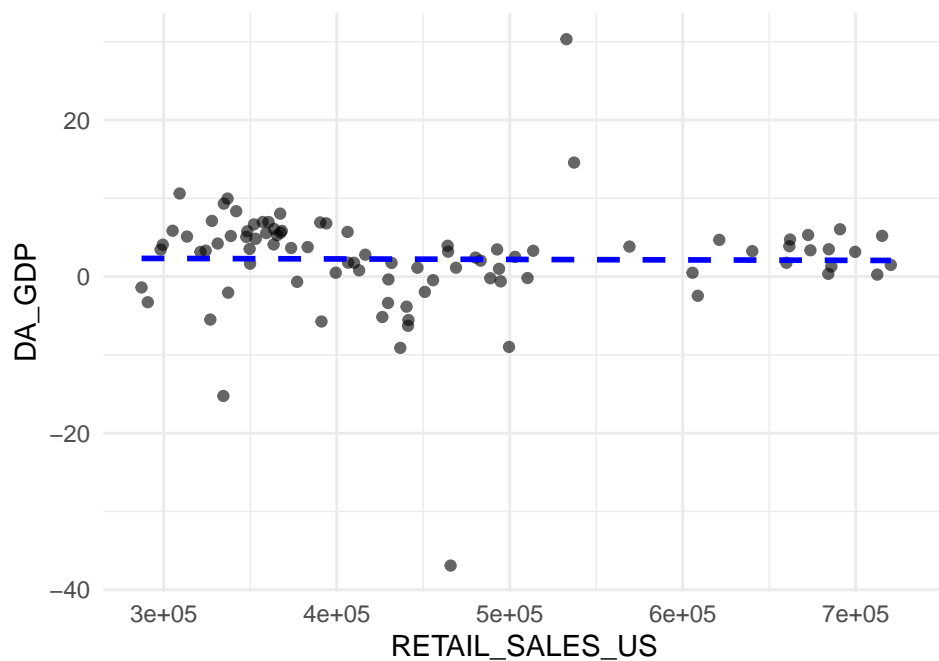


### Standardized Time Series: Retail\_Sales

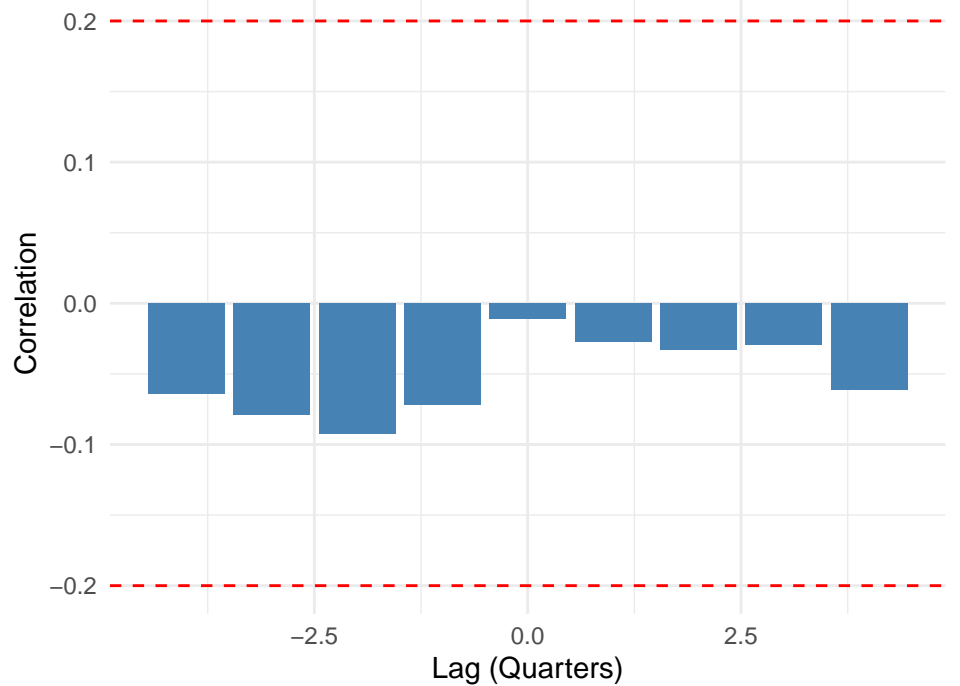


Scatter: RETAIL\_SALES\_US vs Target

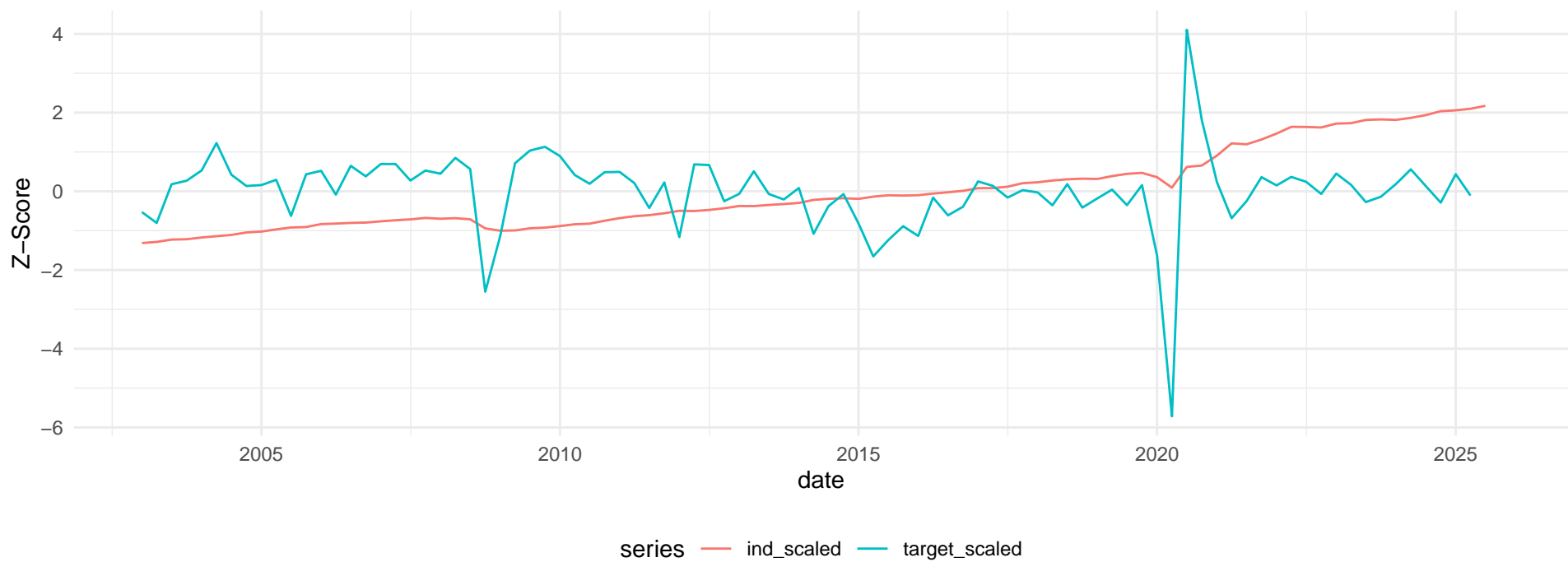
Corr: -0.01



Cross-Correlation (Quarterly Lags): RETAIL\_SALES\_US

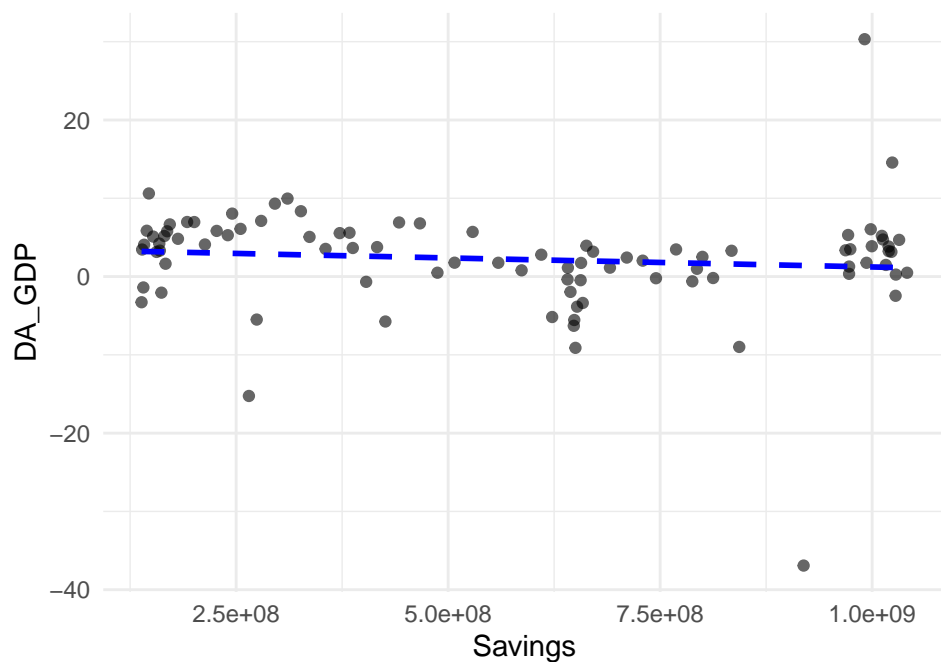


Standardized Time Series: RETAIL\_SALES\_US

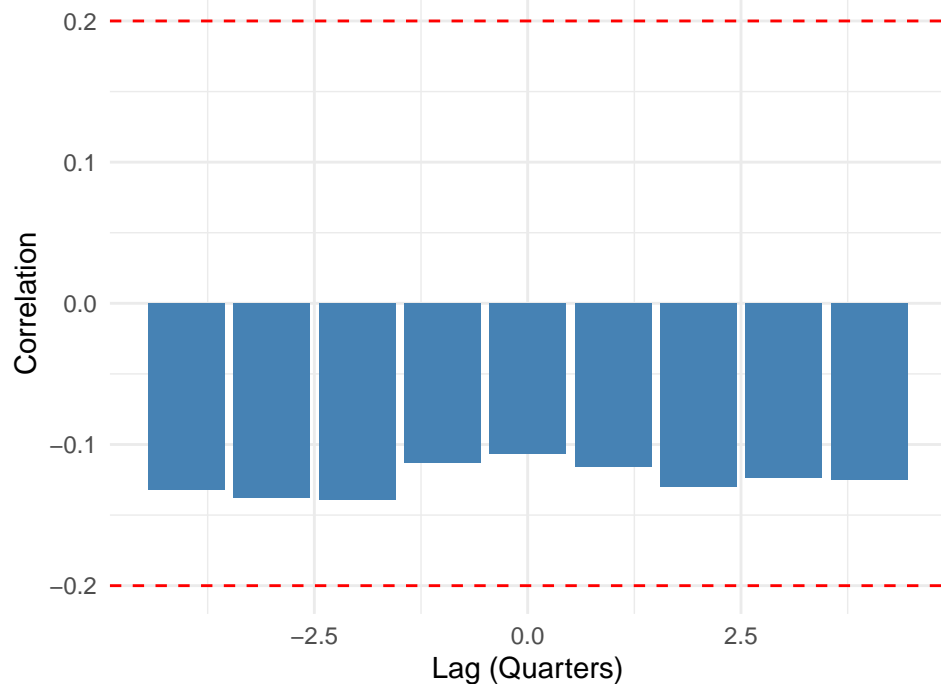


### Scatter: Savings vs Target

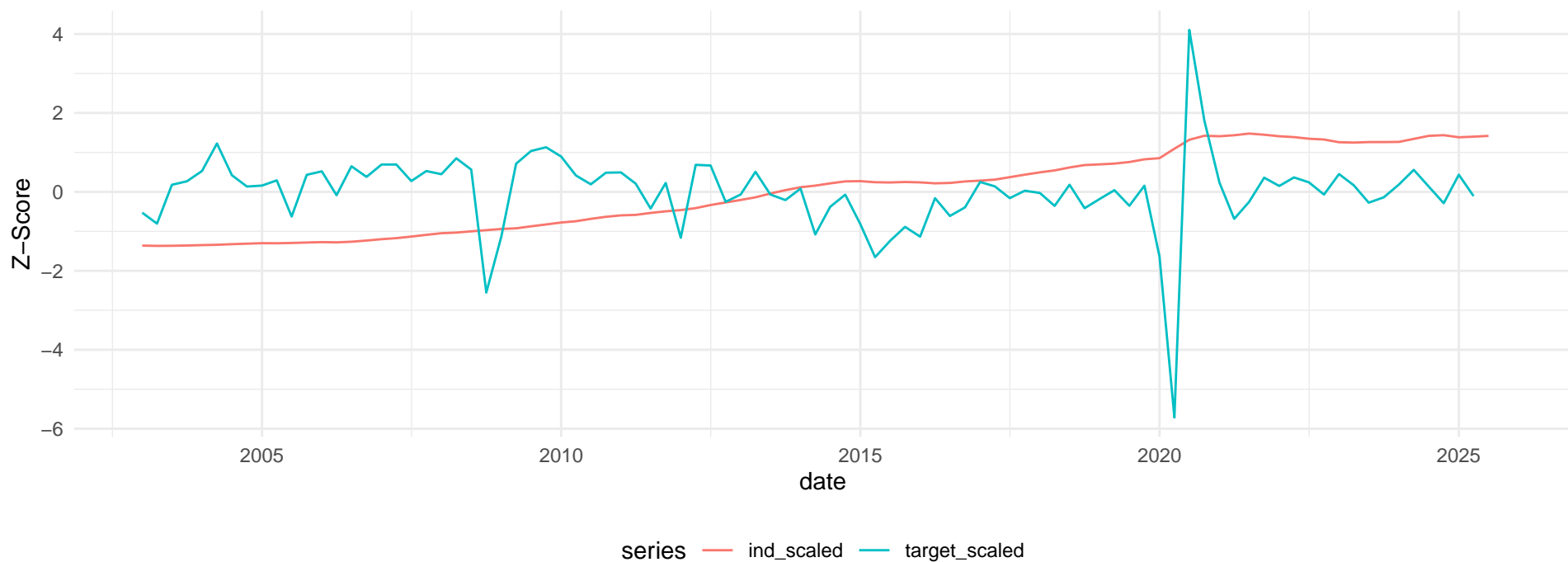
Corr: -0.11



### Cross-Correlation (Quarterly Lags): Savings

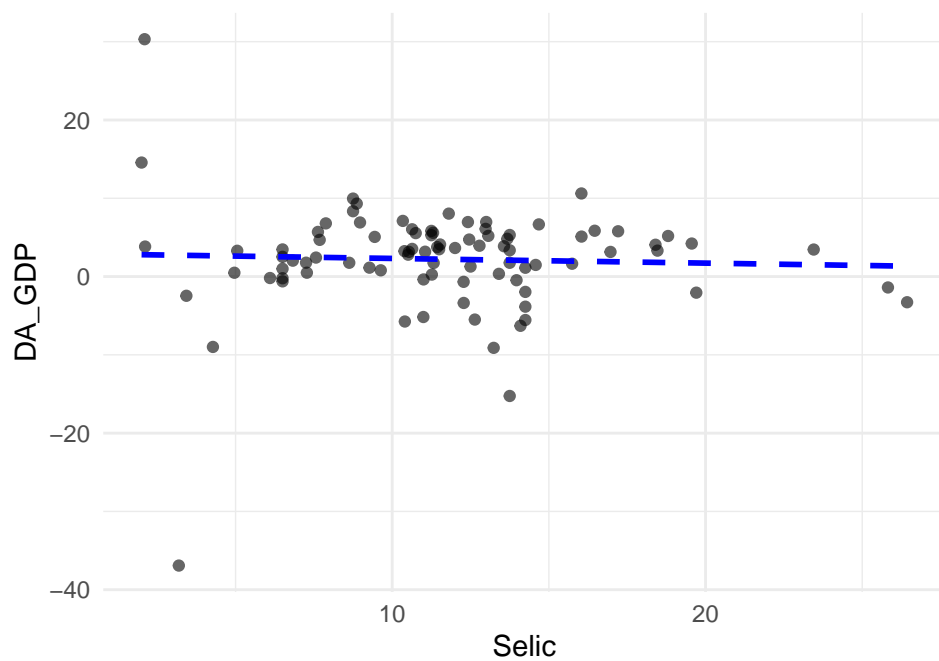


### Standardized Time Series: Savings

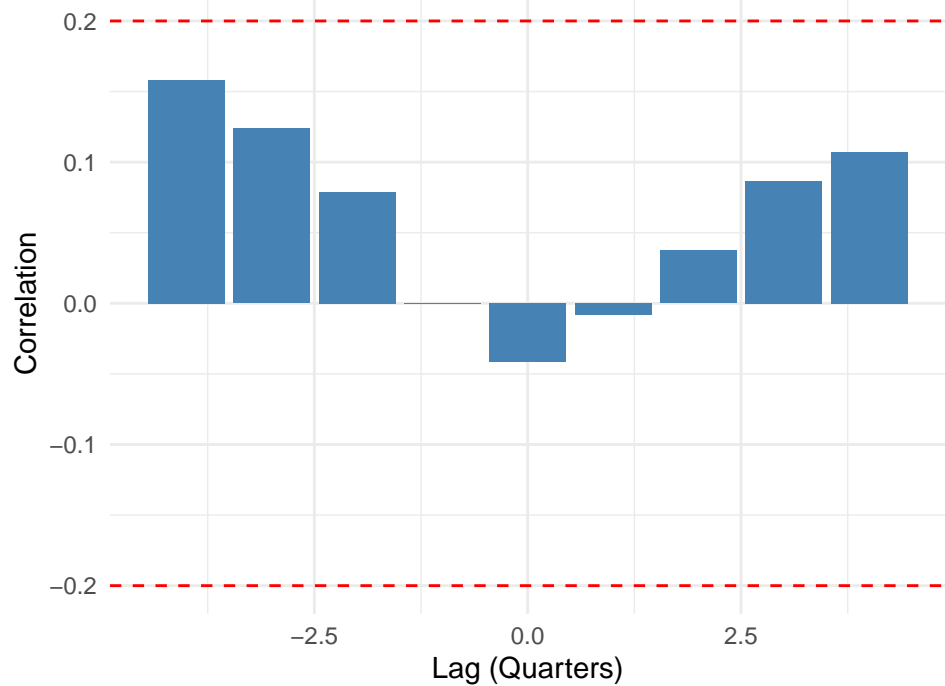


### Scatter: Selic vs Target

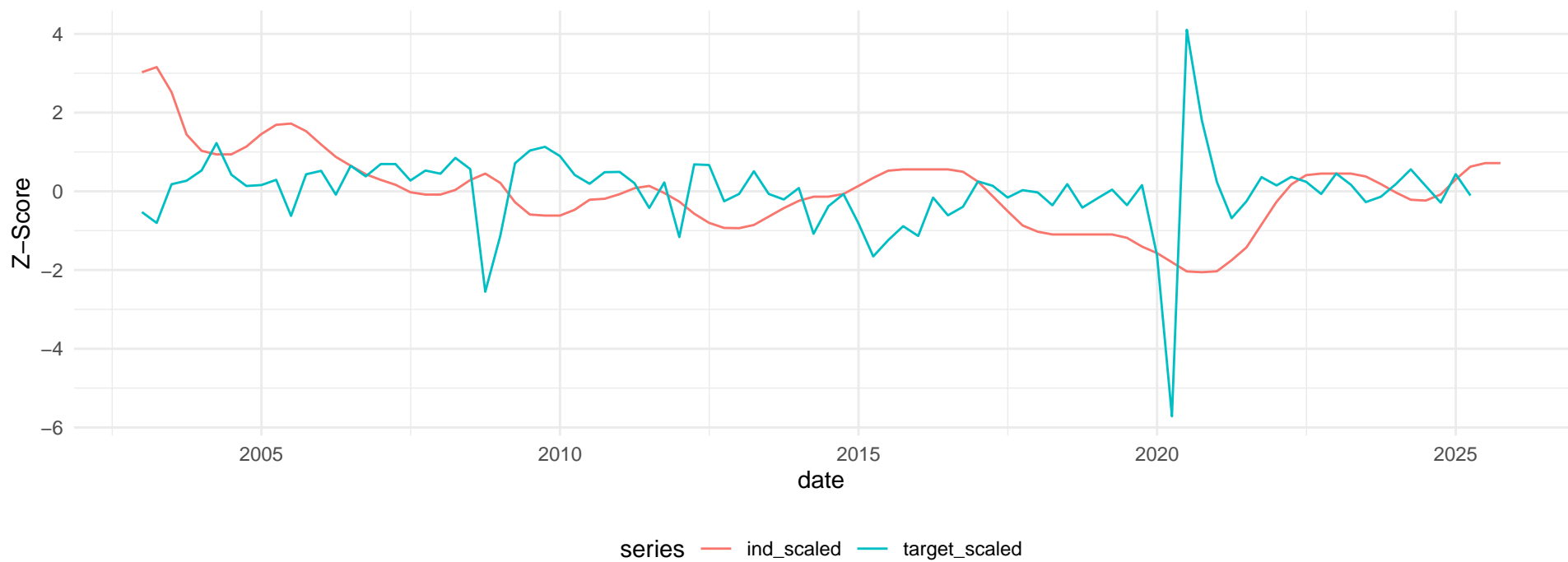
Corr: -0.04



### Cross-Correlation (Quarterly Lags): Selic

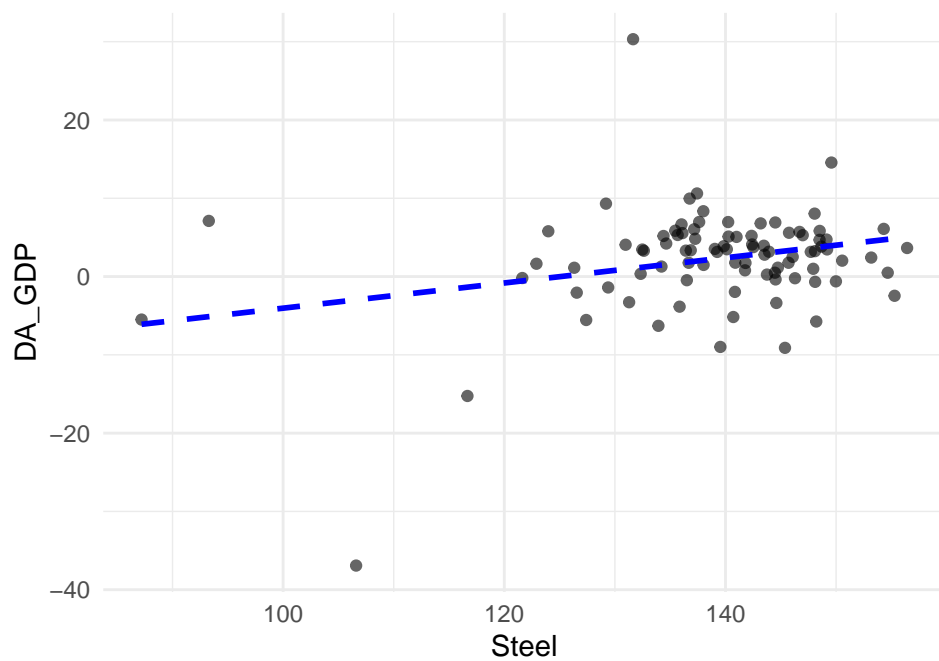


### Standardized Time Series: Selic

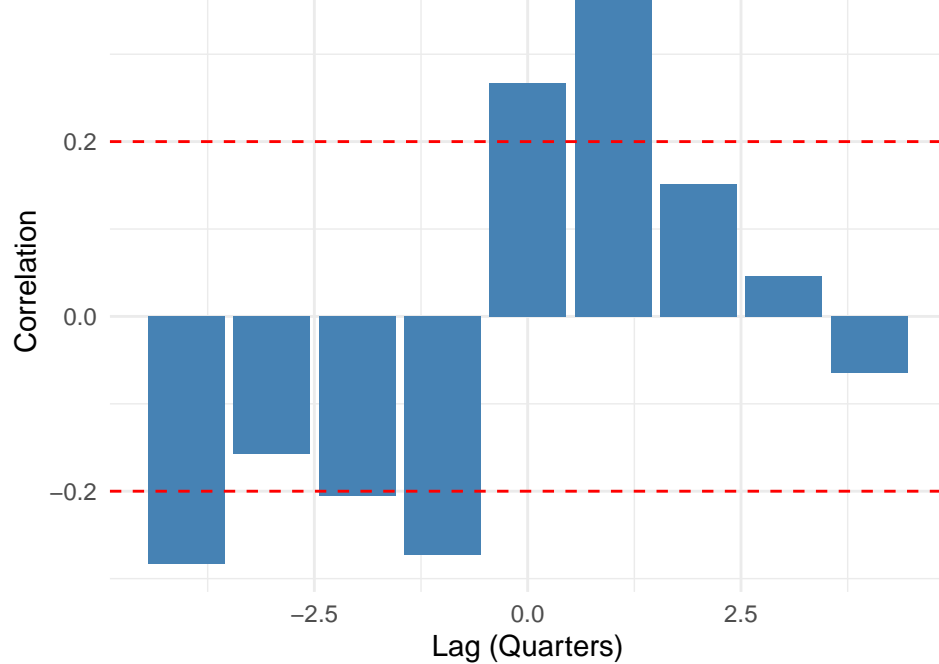


### Scatter: Steel vs Target

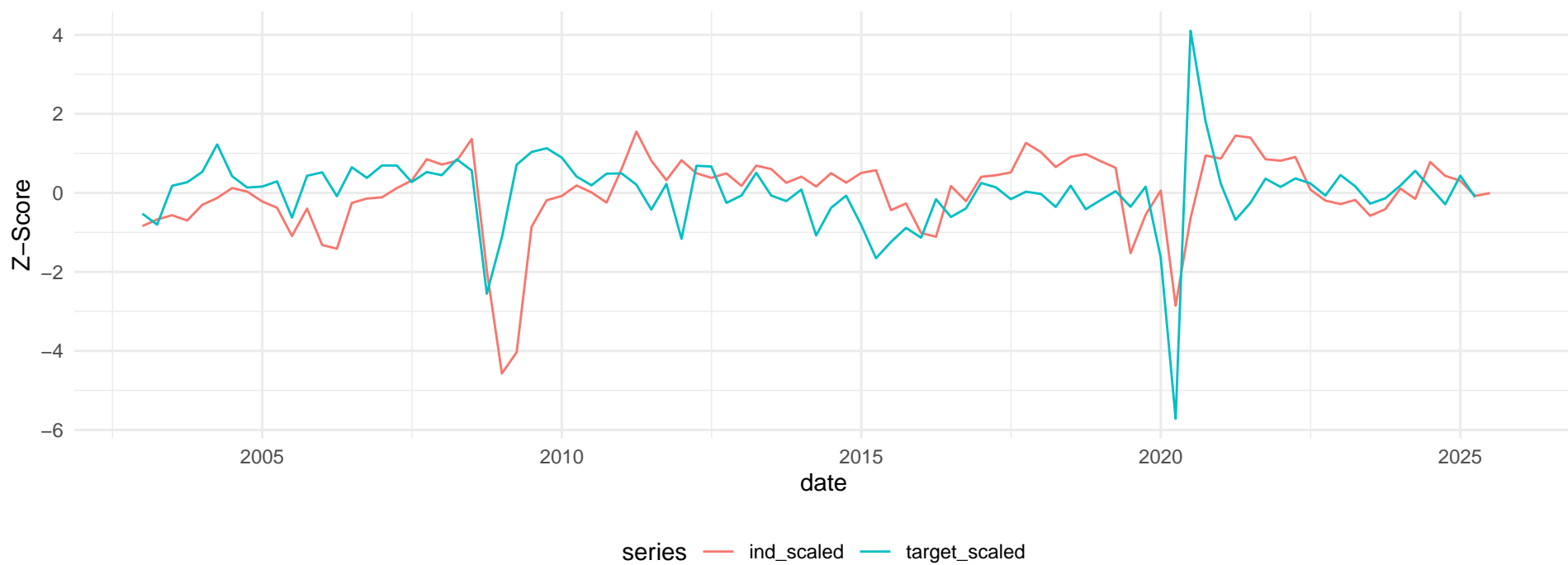
Corr: 0.27



### Cross-Correlation (Quarterly Lags): Steel

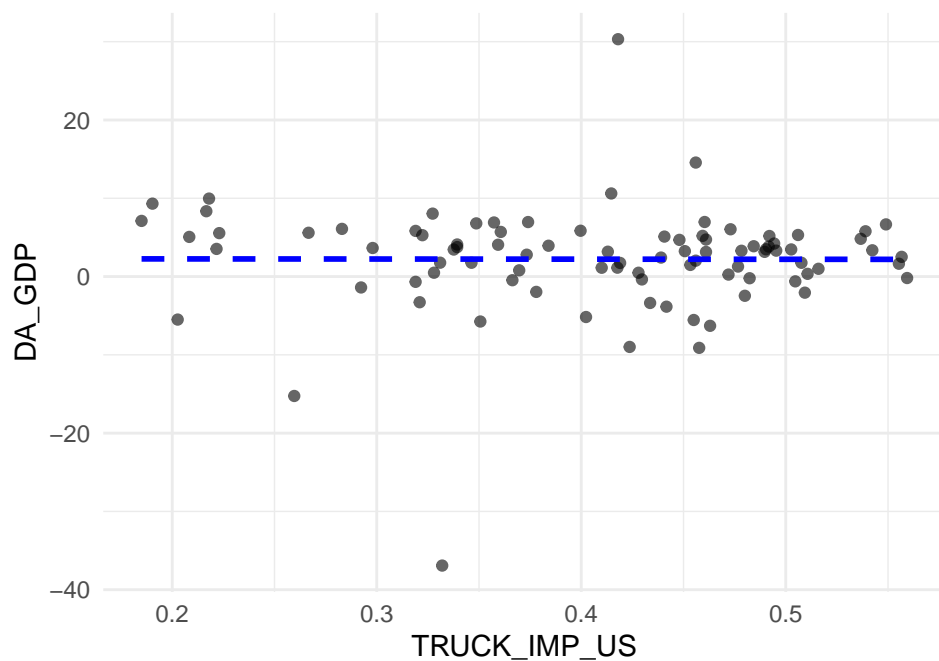


### Standardized Time Series: Steel

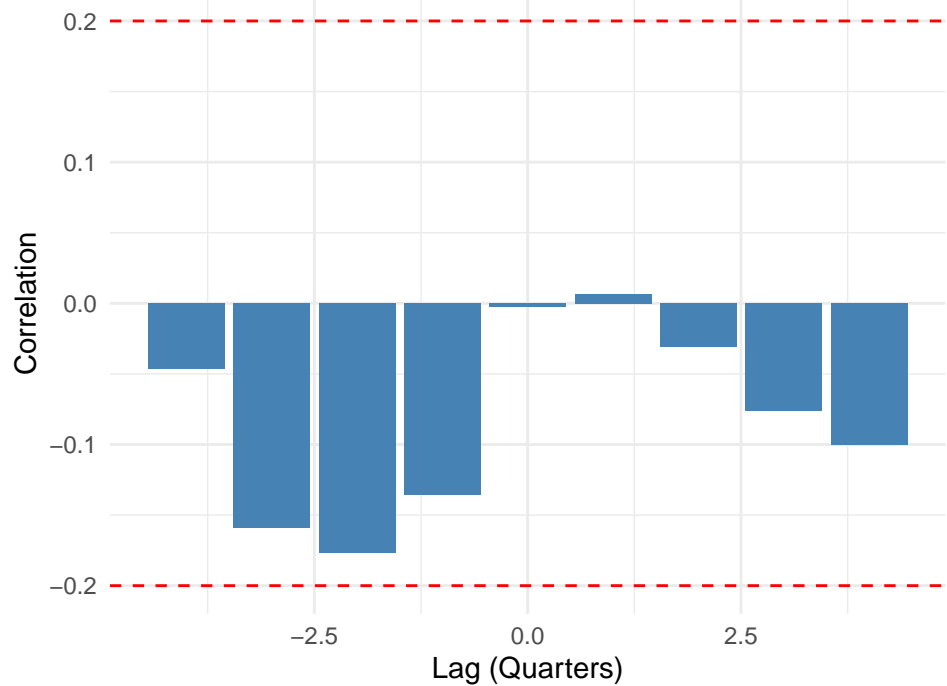


### Scatter: TRUCK\_IMP\_US vs Target

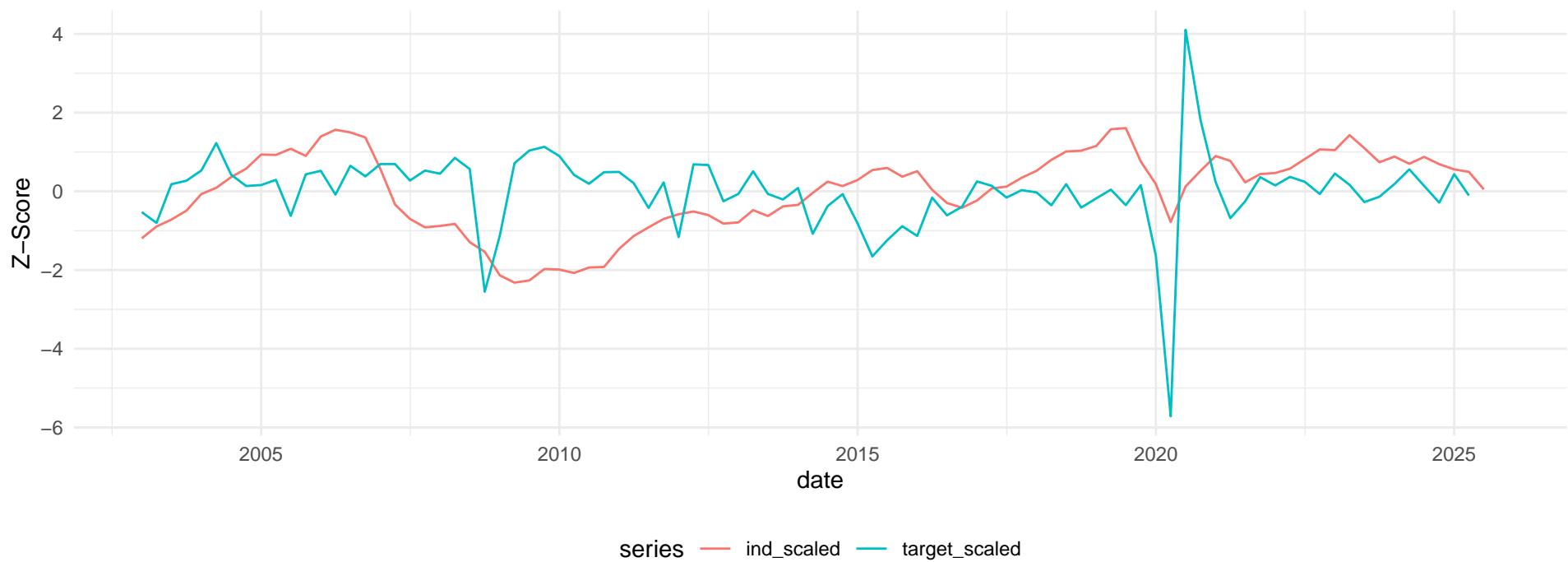
Corr: 0



### Cross-Correlation (Quarterly Lags): TRUCK\_IMP\_US

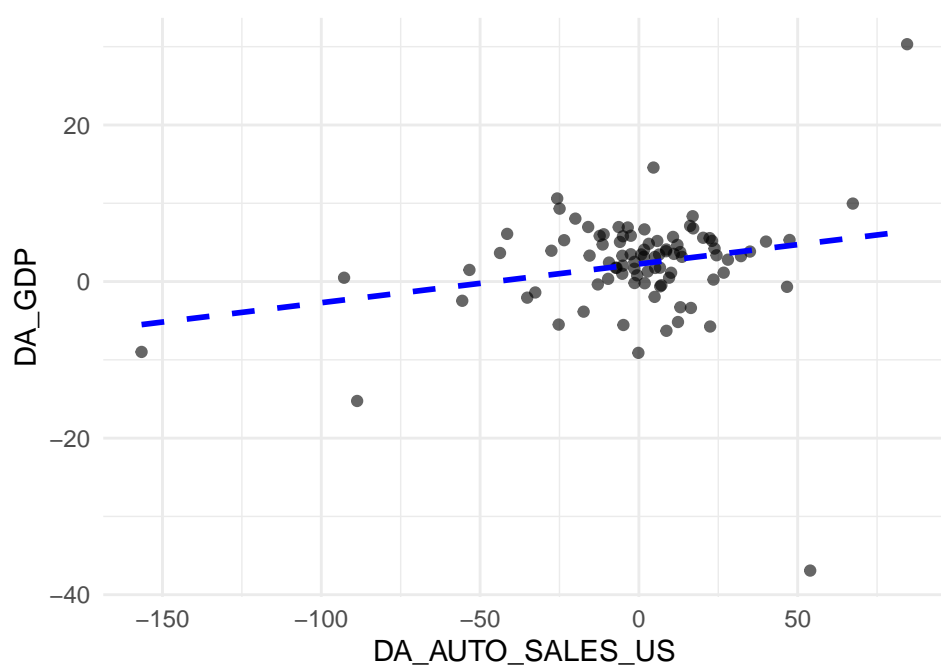


### Standardized Time Series: TRUCK\_IMP\_US

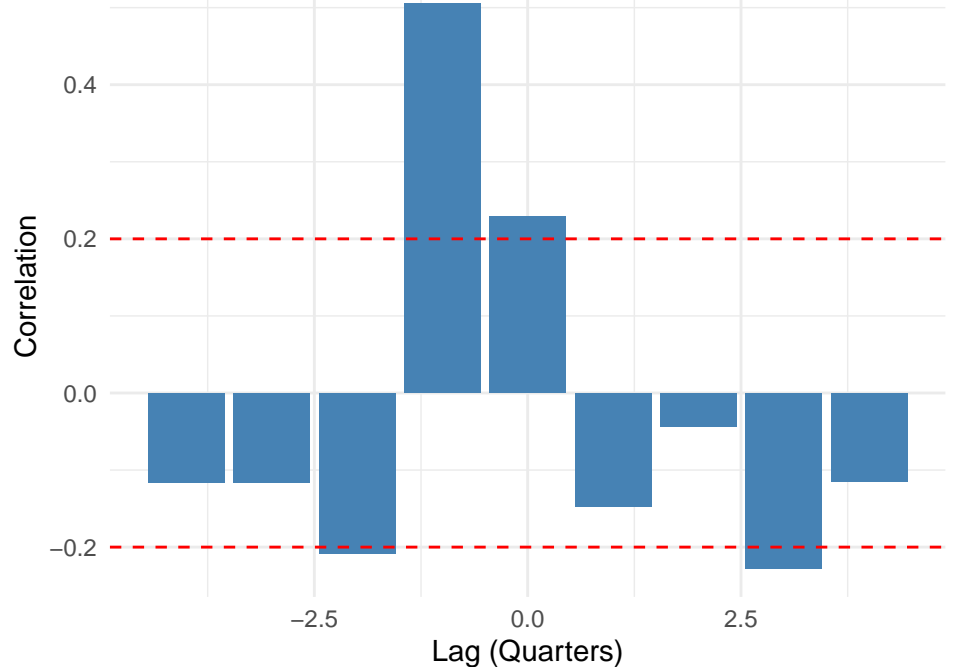


Scatter: DA\_AUTO\_SALES\_US vs Target

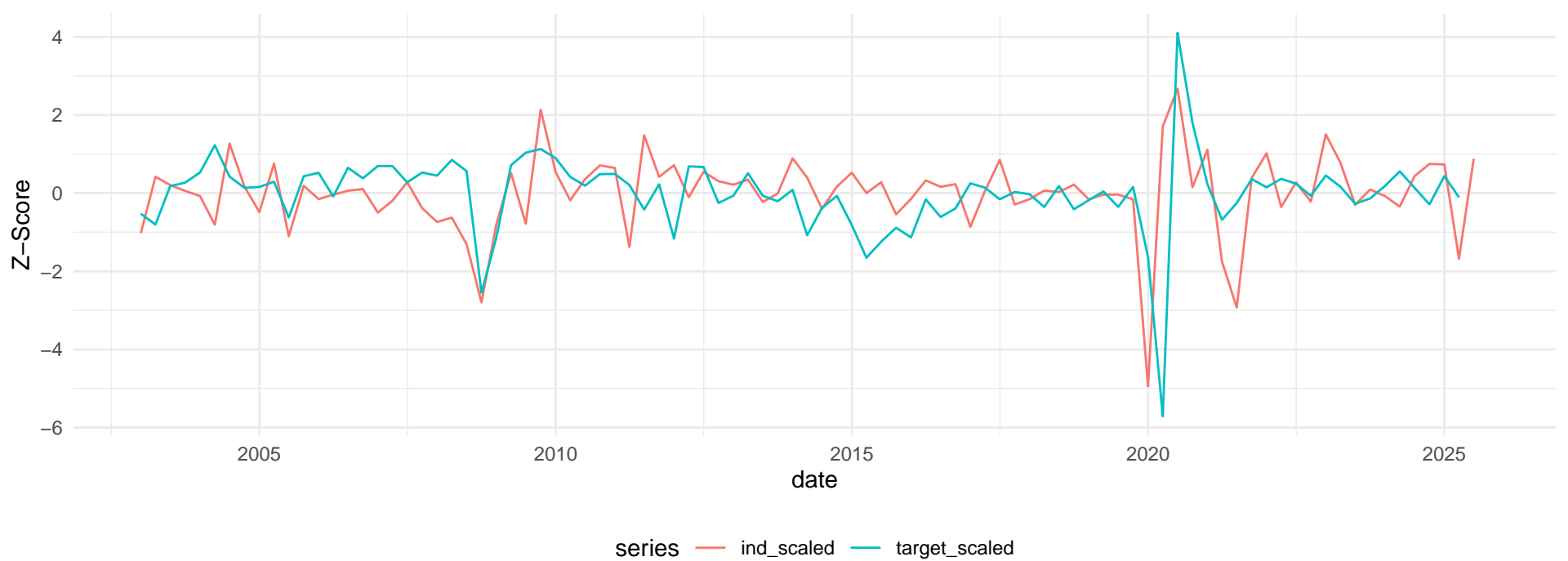
Corr: 0.23



Cross-Correlation (Quarterly Lags): DA\_AUTO\_SALES\_US



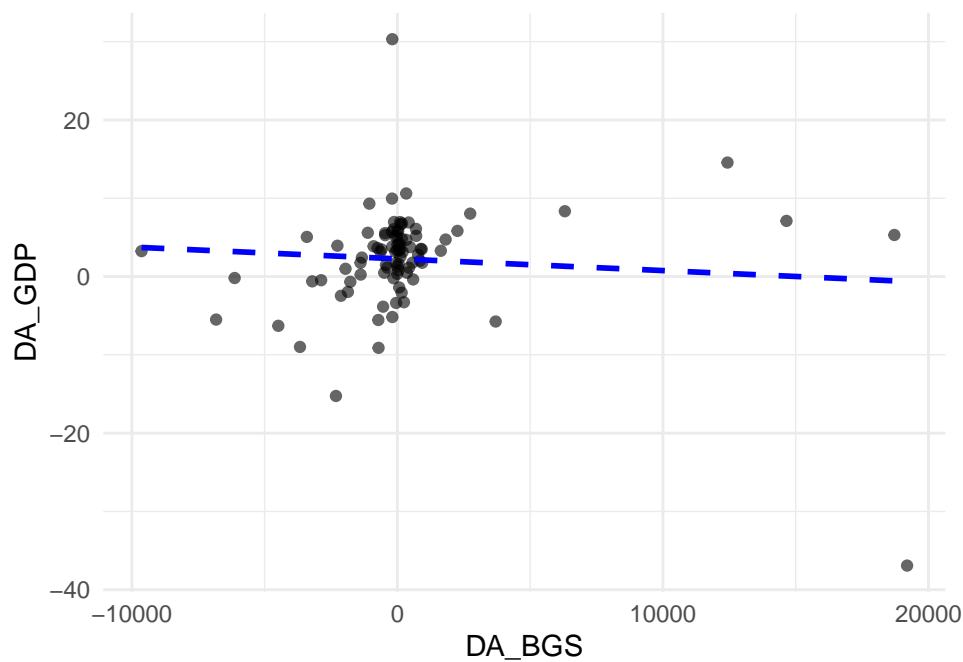
Standardized Time Series: DA\_AUTO\_SALES\_US



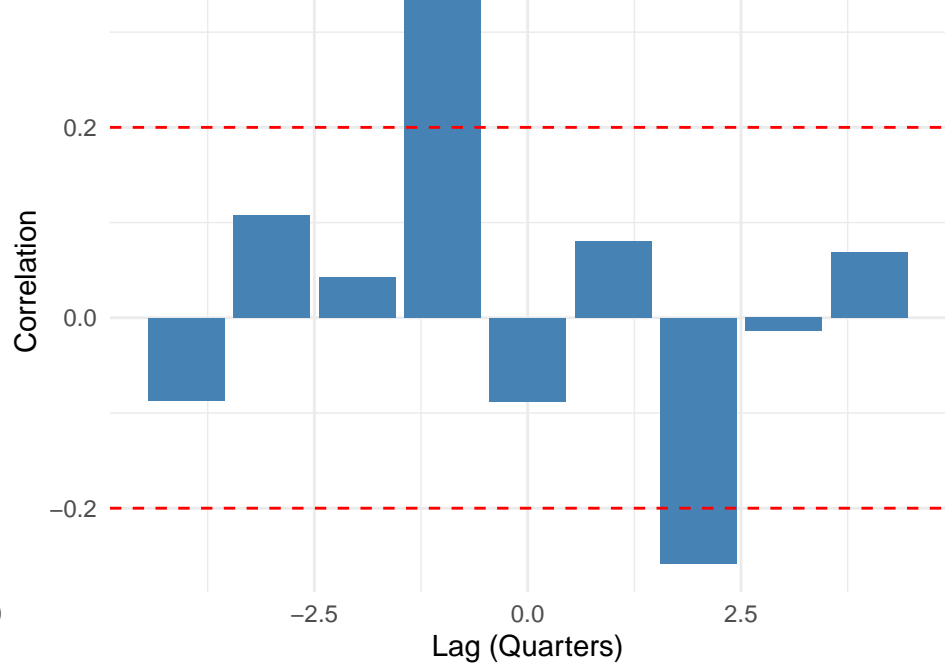


### Scatter: DA\_BGS vs Target

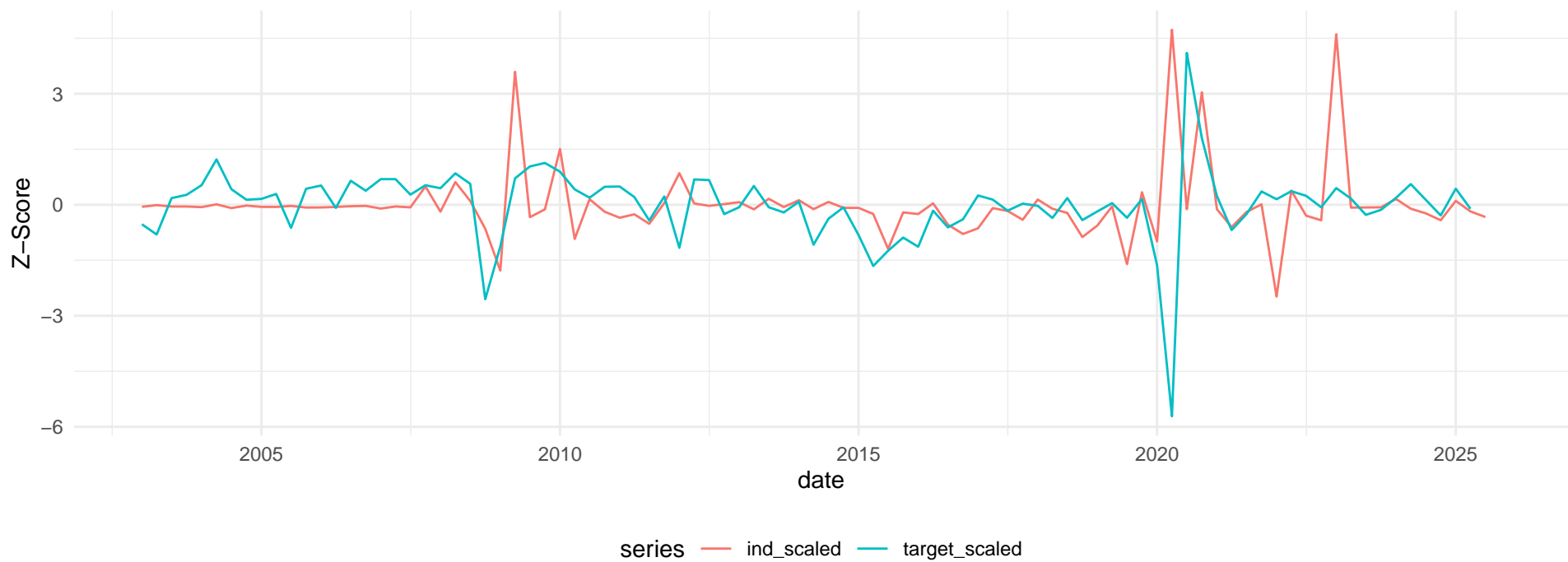
Corr: -0.09



### Cross-Correlation (Quarterly Lags): DA\_BGS

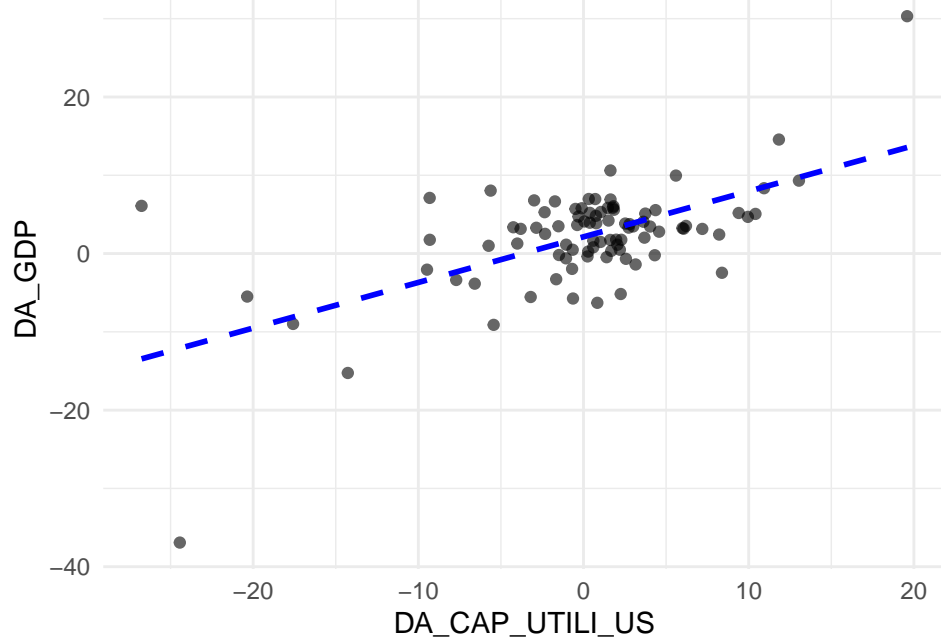


### Standardized Time Series: DA\_BGS

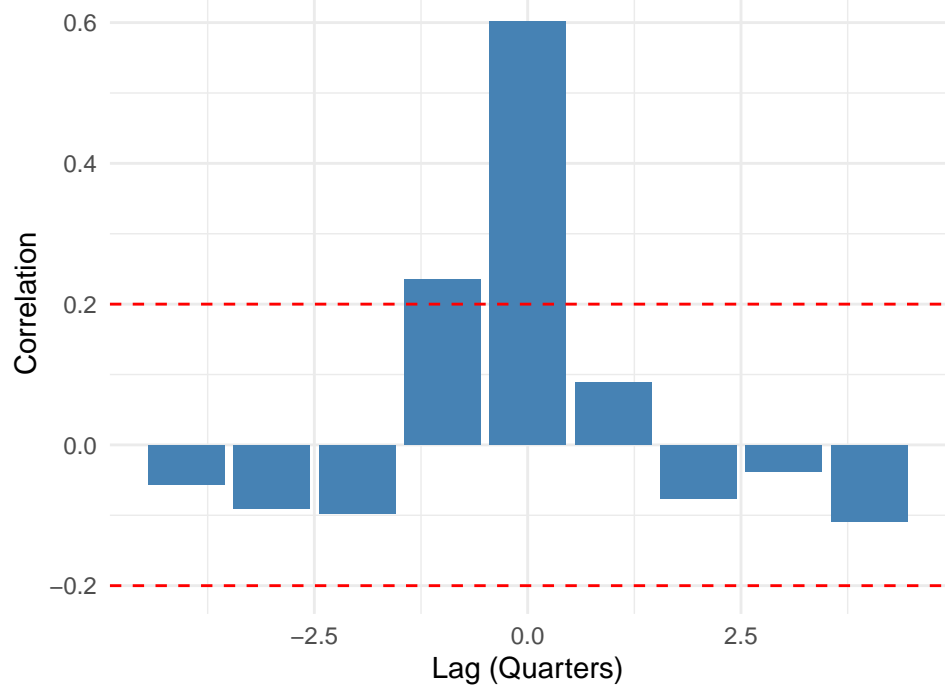


Scatter: DA\_CAP\_UTILI\_US vs Target

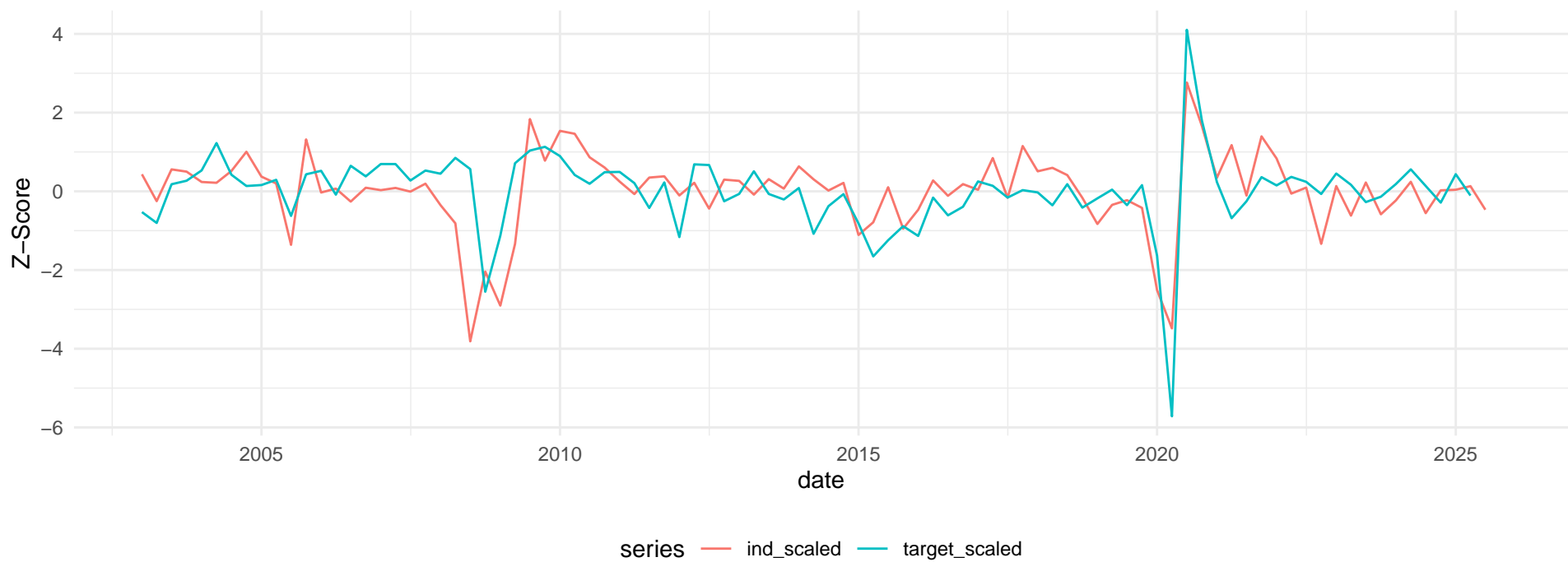
Corr: 0.6



Cross-Correlation (Quarterly Lags): DA\_CAP\_UTILI\_US

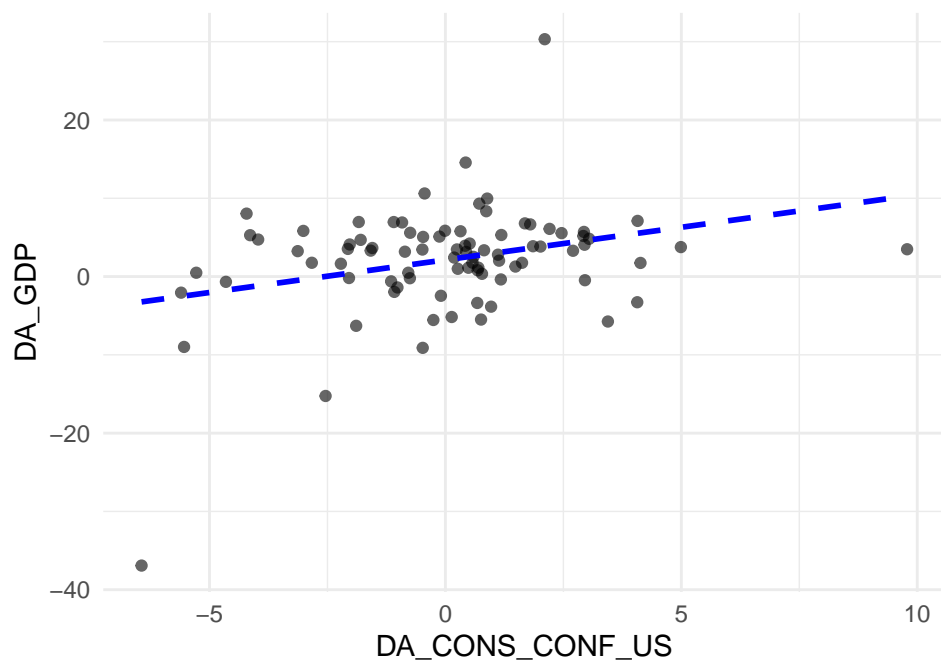


Standardized Time Series: DA\_CAP\_UTILI\_US

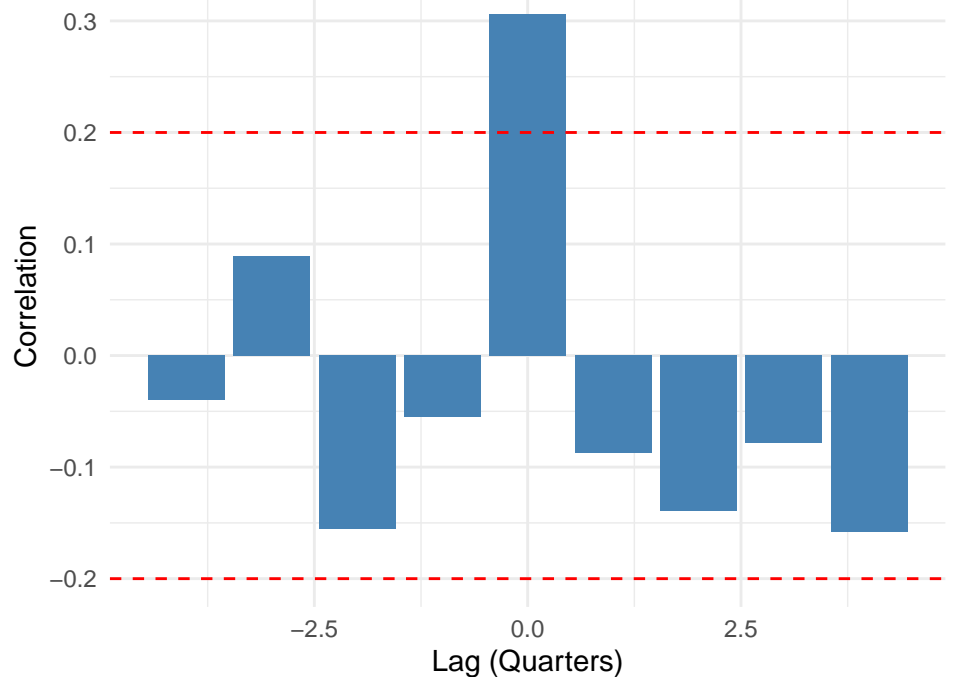


Scatter: DA\_CONS\_CONF\_US vs Target

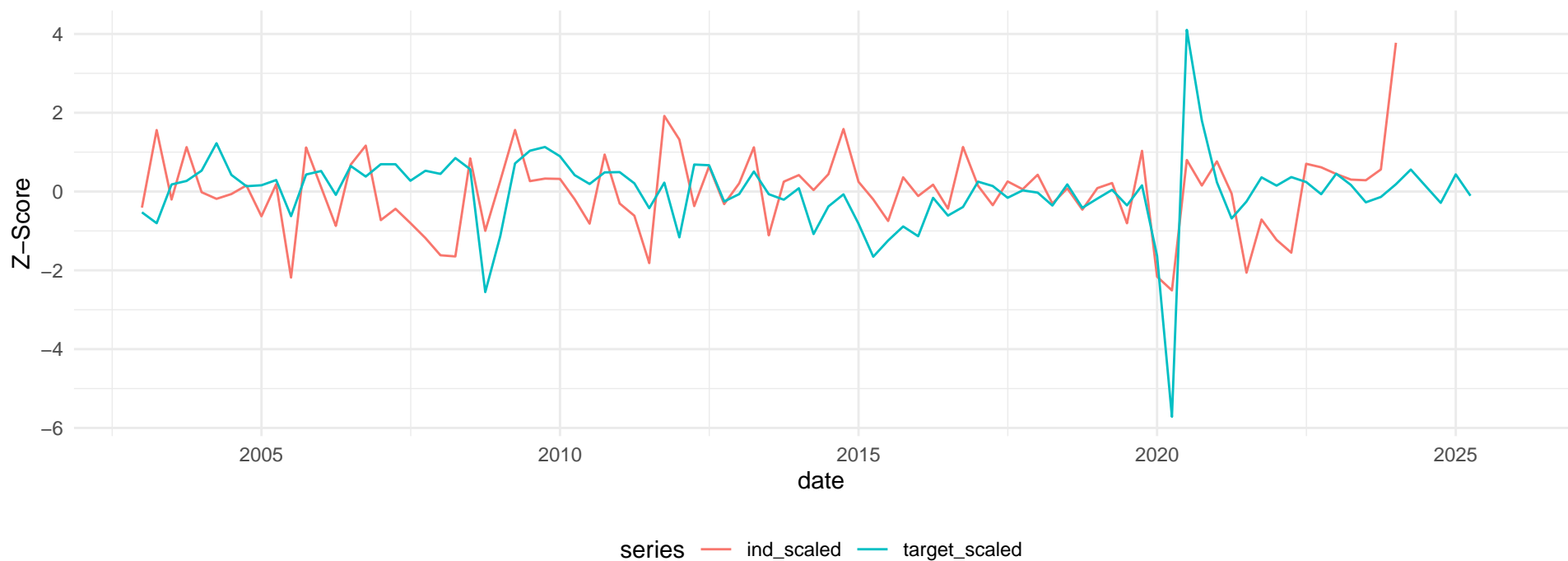
Corr: 0.31



Cross-Correlation (Quarterly Lags): DA\_CONS\_CONF\_US

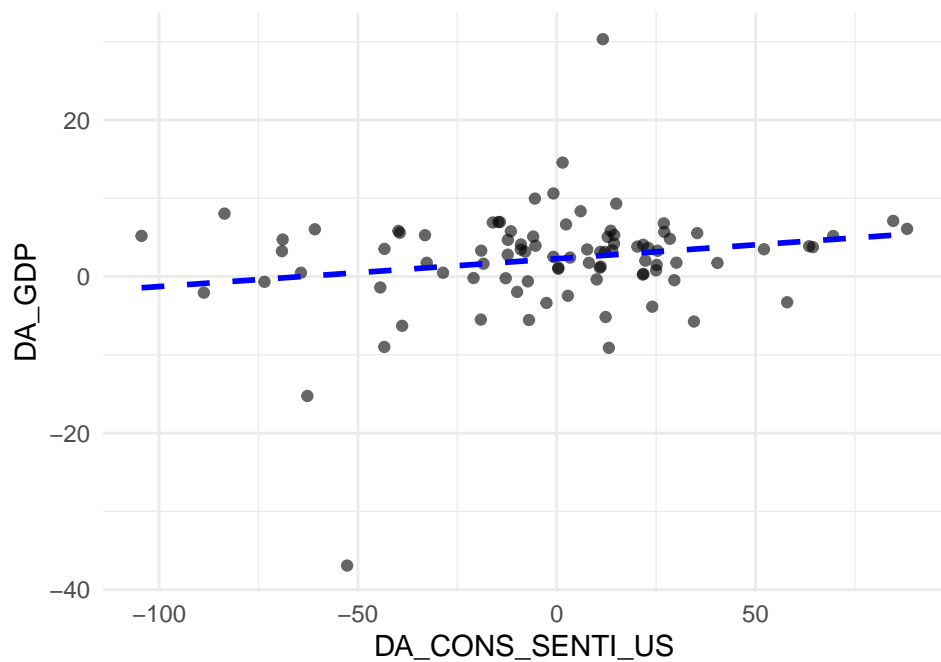


Standardized Time Series: DA\_CONS\_CONF\_US

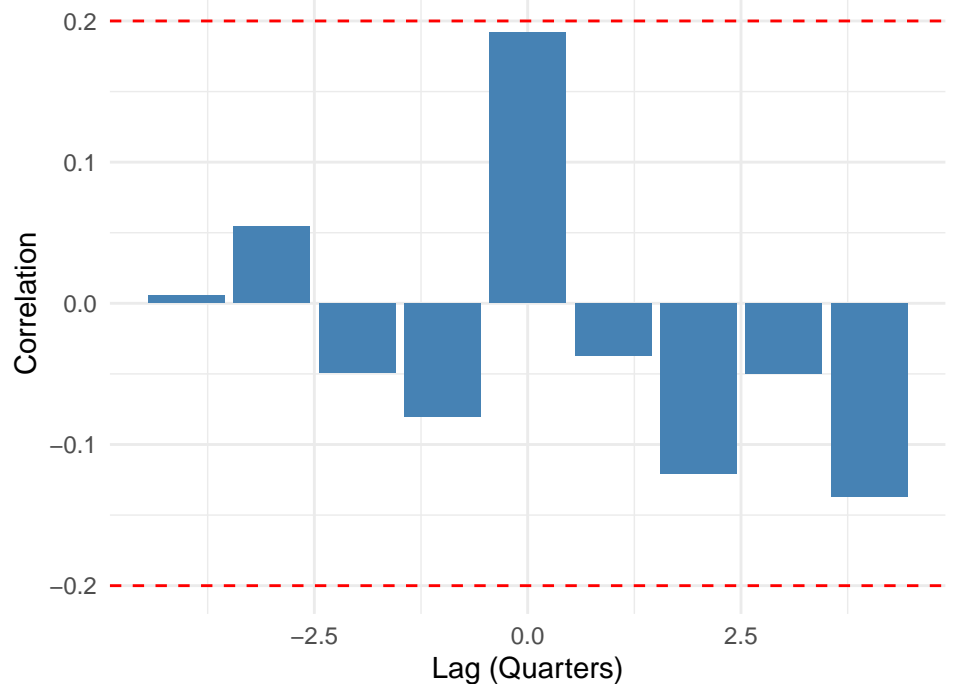


Scatter: DA\_CONS\_SENTI\_US vs Target

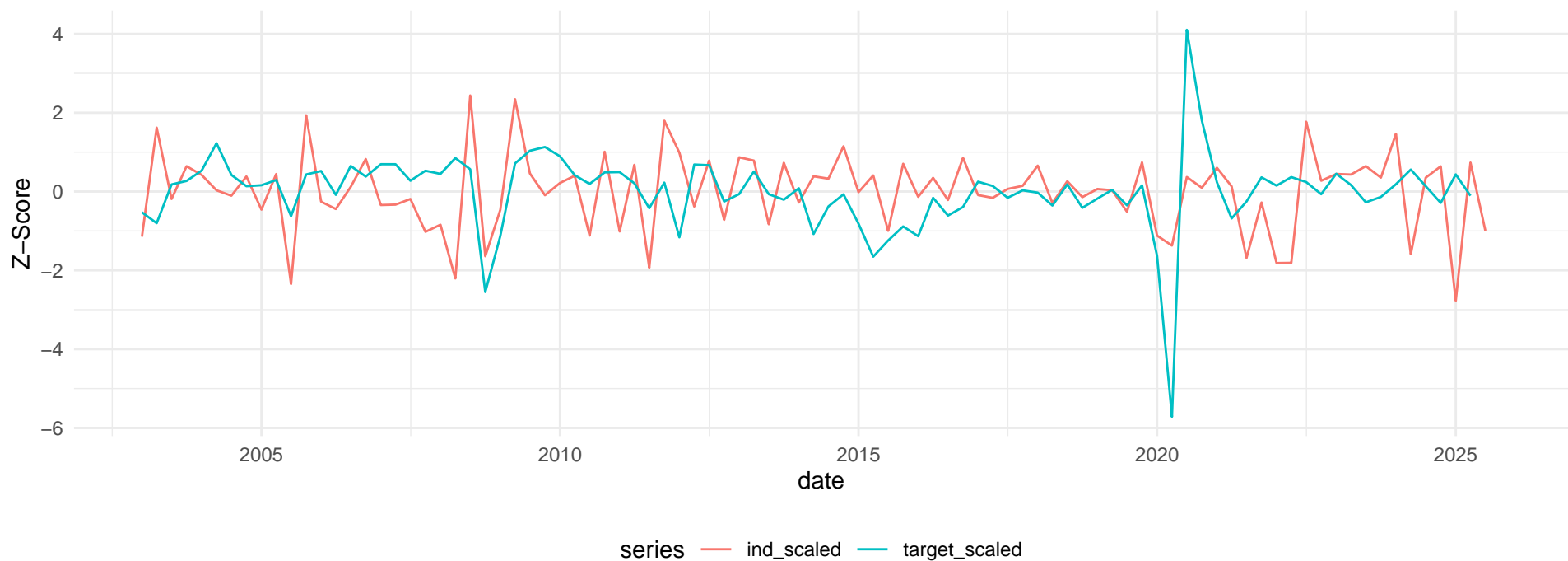
Corr: 0.19



Cross-Correlation (Quarterly Lags): DA\_CONS\_SENTI\_US

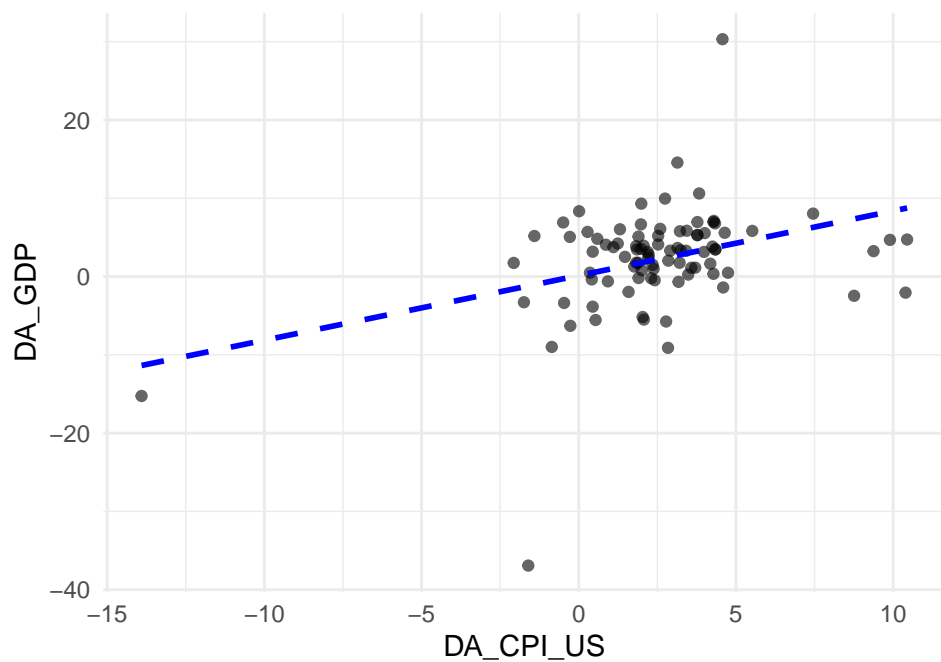


Standardized Time Series: DA\_CONS\_SENTI\_US

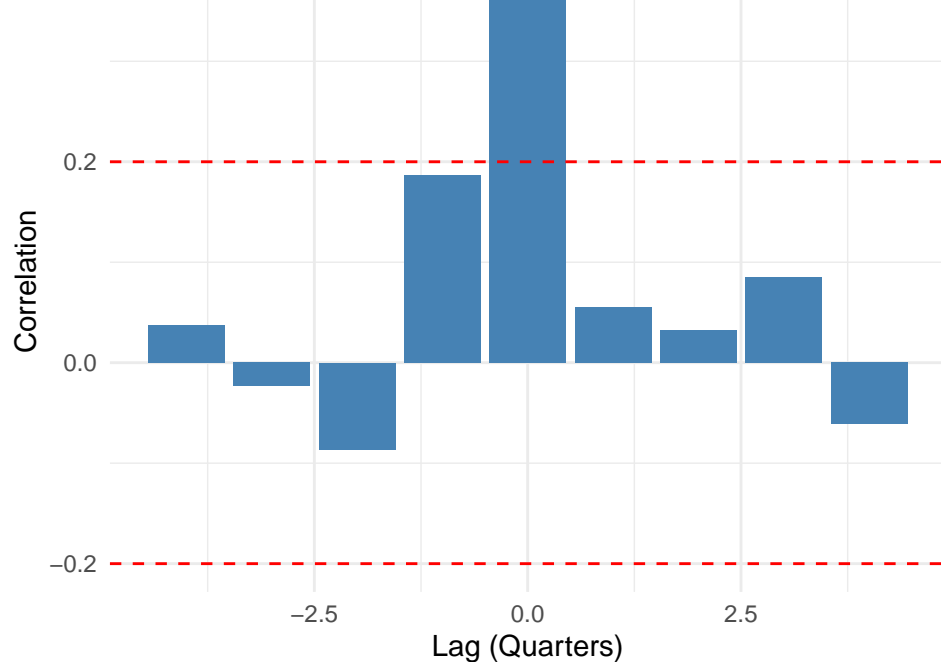


Scatter: DA\_CPI\_US vs Target

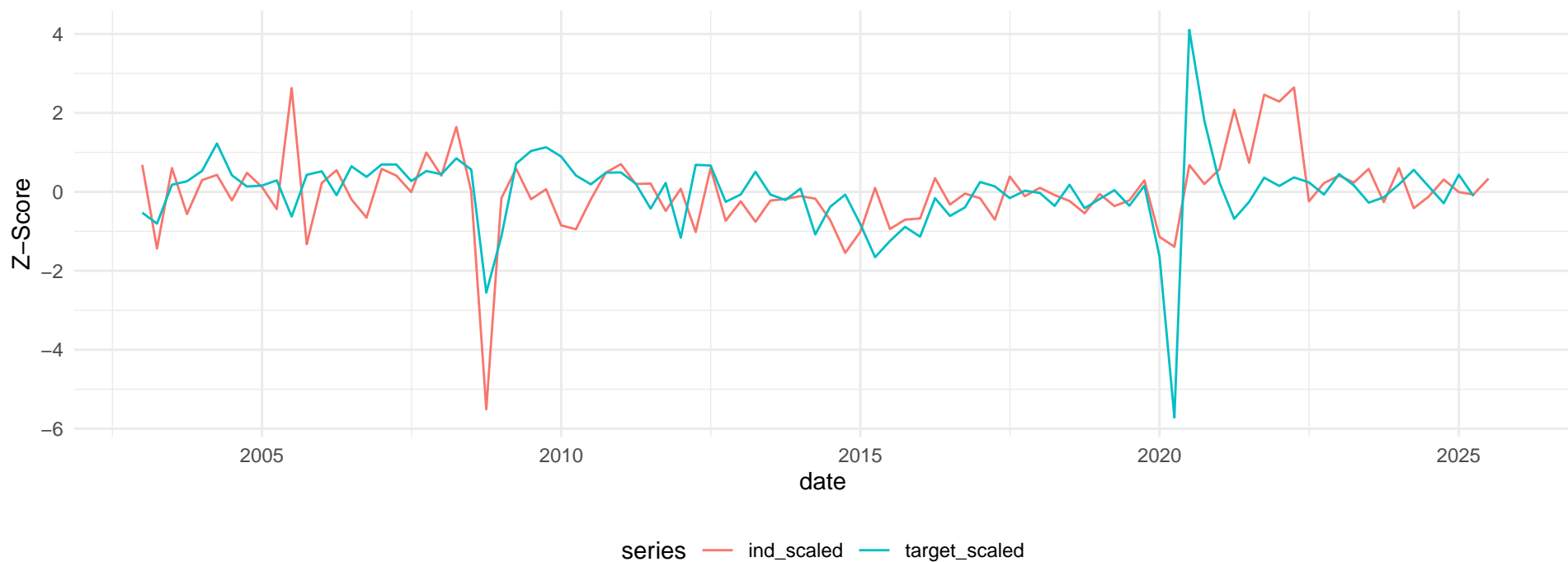
Corr: 0.36



Cross-Correlation (Quarterly Lags): DA\_CPI\_US

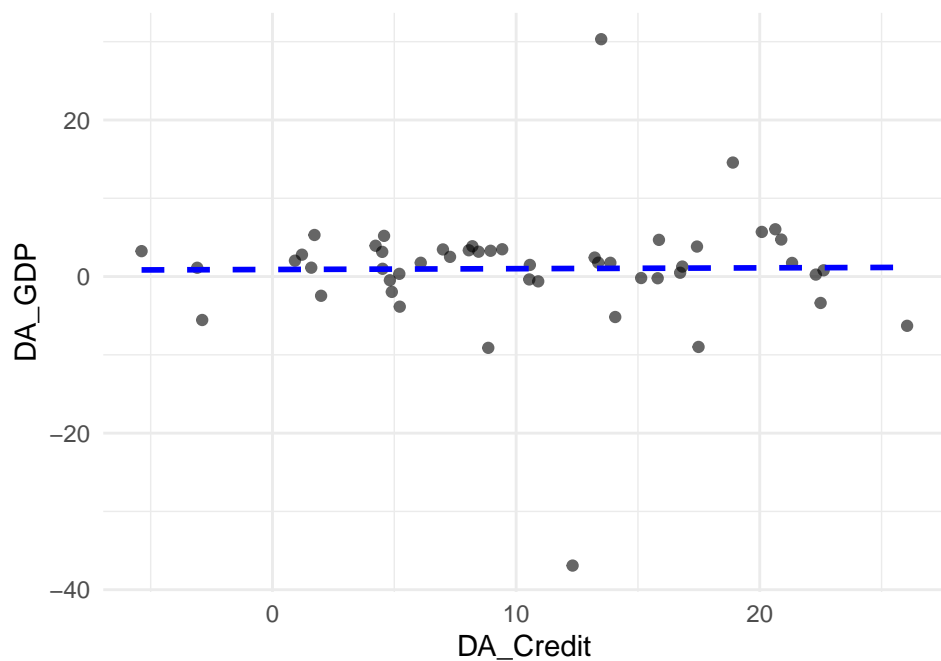


Standardized Time Series: DA\_CPI\_US

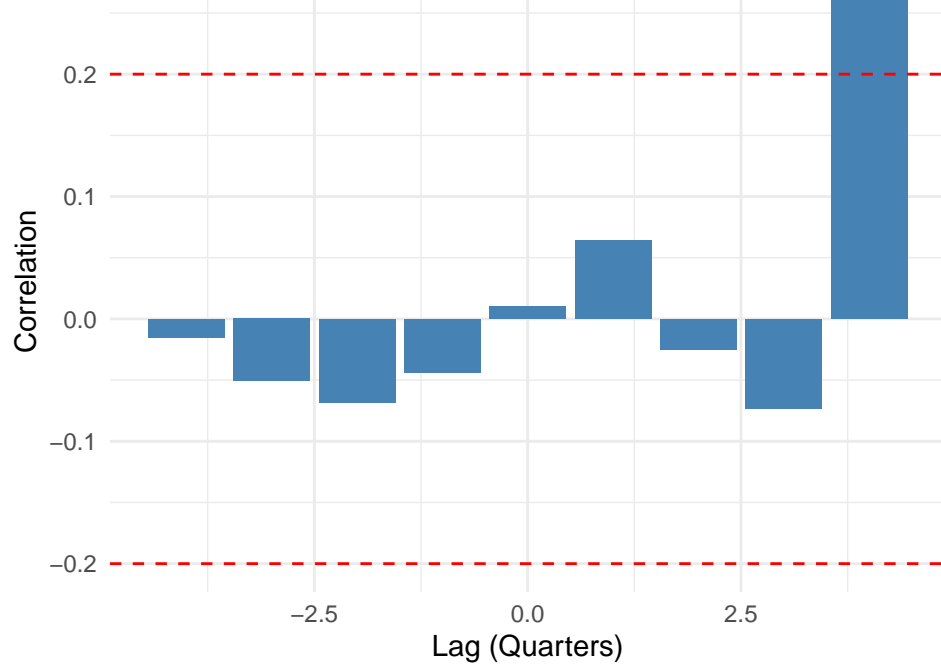


Scatter: DA\_Credit vs Target

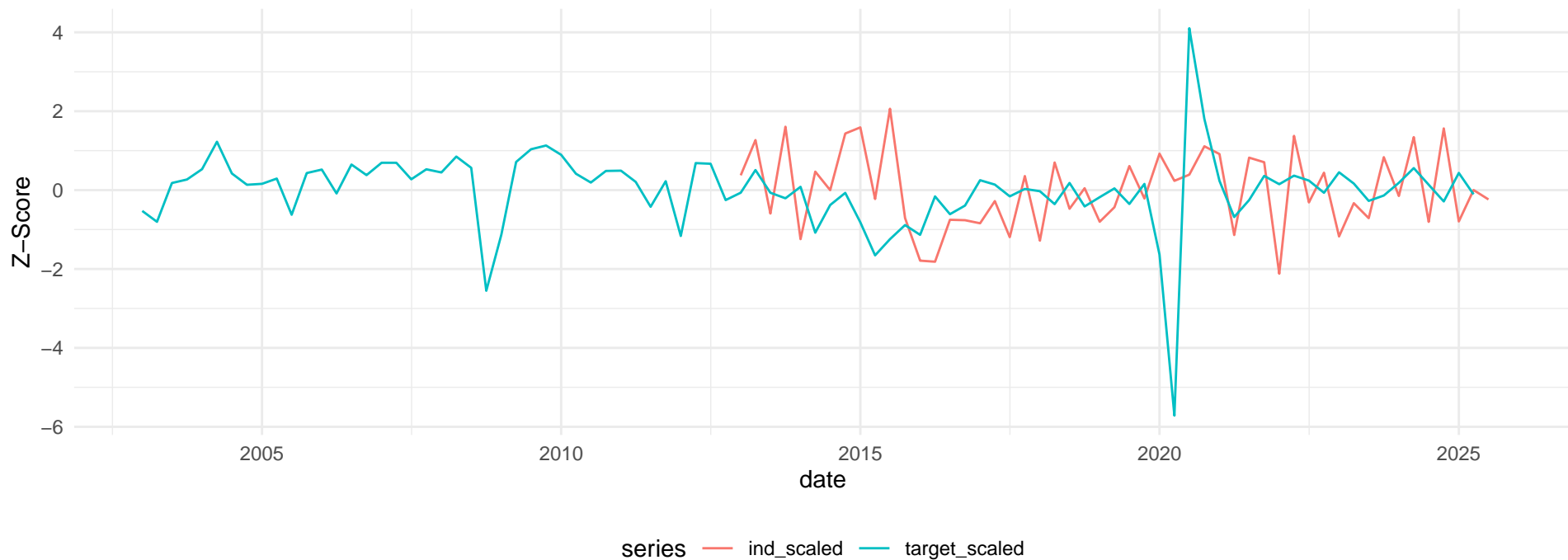
Corr: 0.01



Cross-Correlation (Quarterly Lags): DA\_Credit

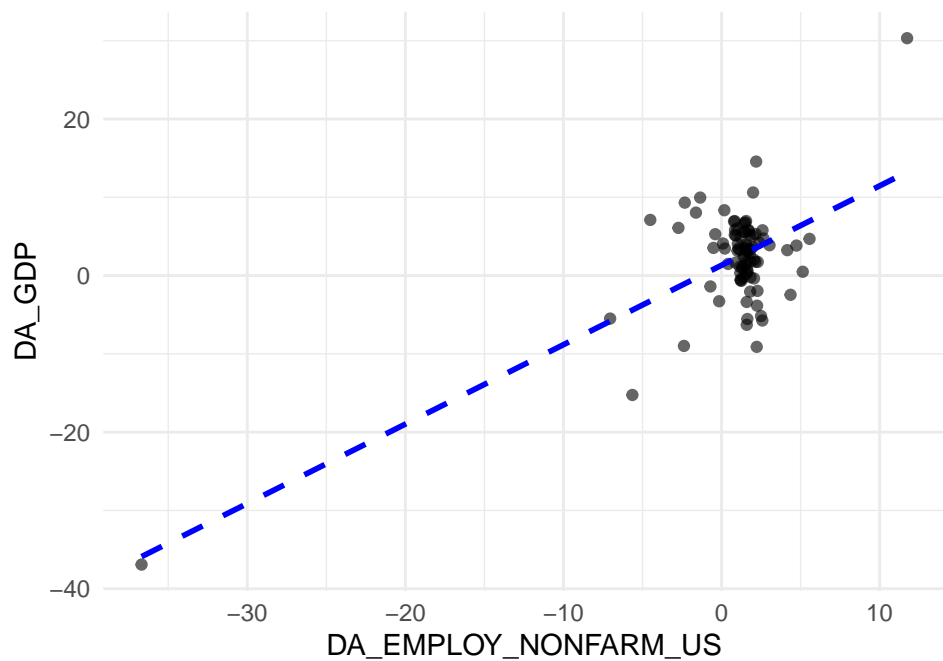


Standardized Time Series: DA\_Credit

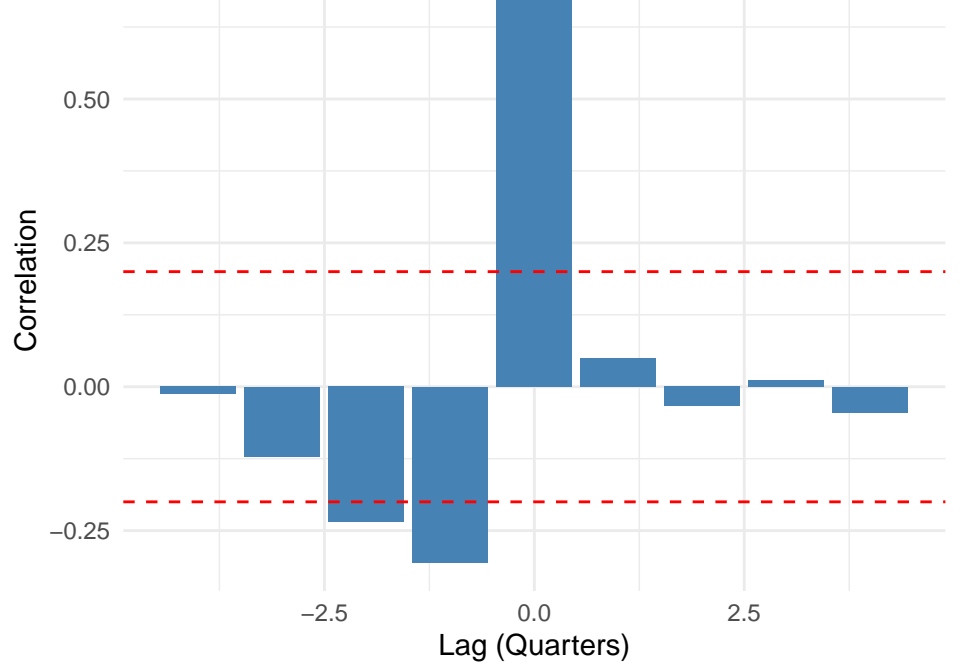


Scatter: DA\_EMPLOY\_NONFARM\_US vs Target

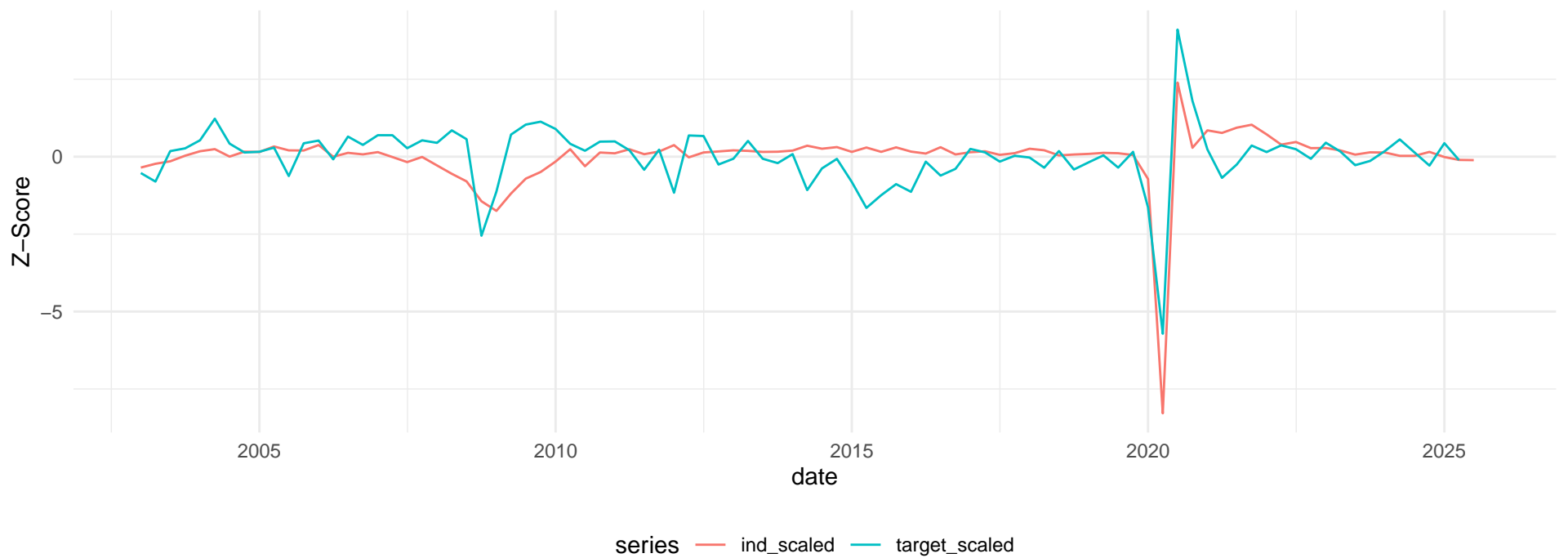
Corr: 0.68



Cross-Correlation (Quarterly Lags): DA\_EMPLOY\_NONFARM\_US vs Target

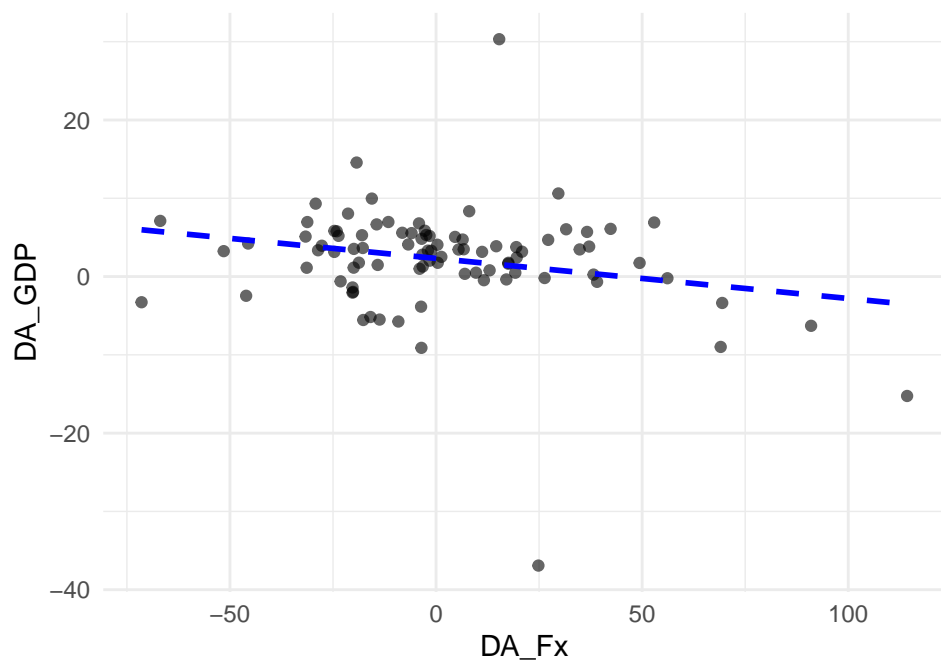


Standardized Time Series: DA\_EMPLOY\_NONFARM\_US

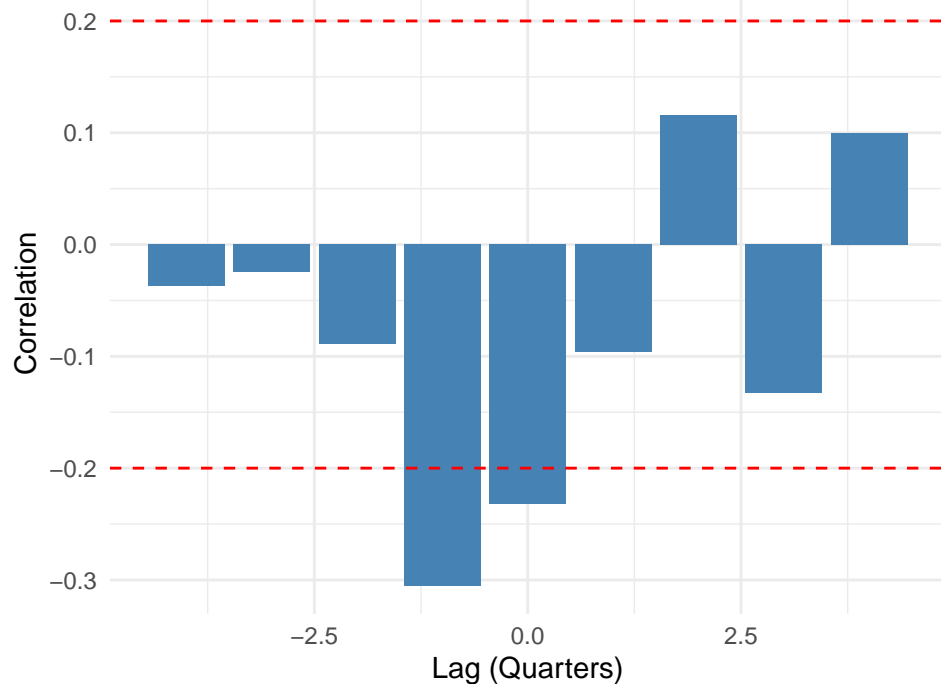


Scatter: DA\_Fx vs Target

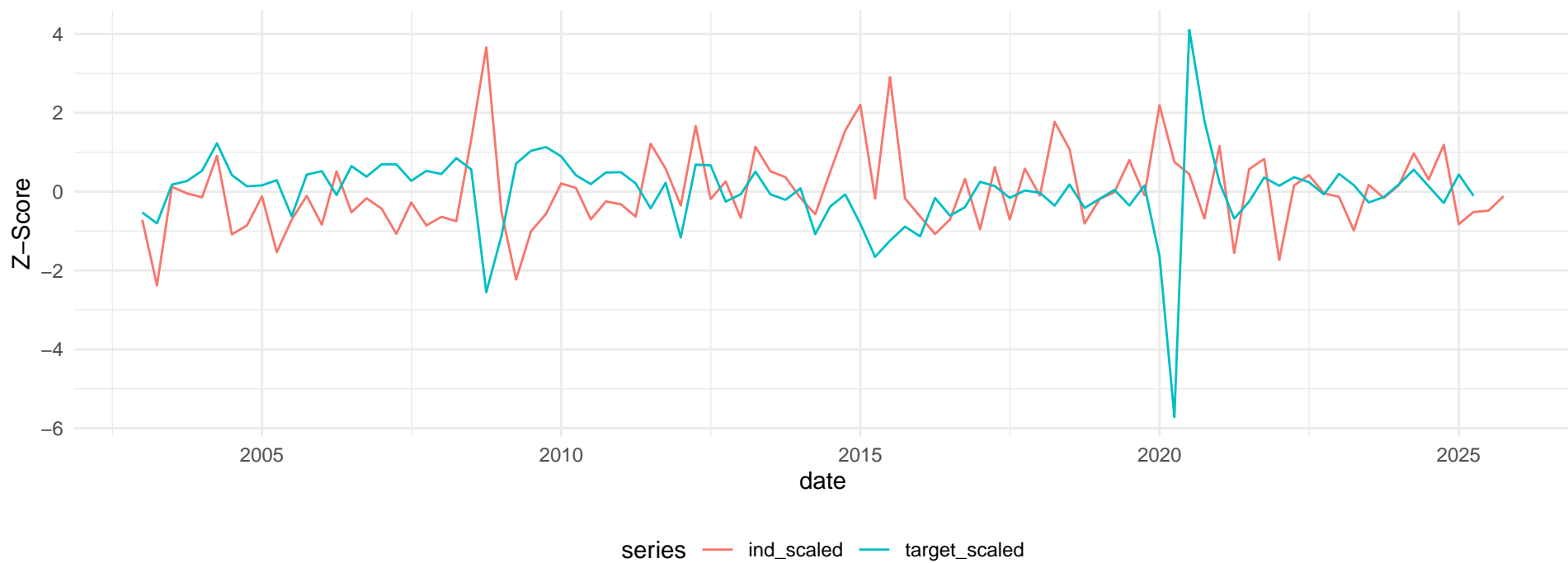
Corr: -0.23



Cross-Correlation (Quarterly Lags): DA\_Fx



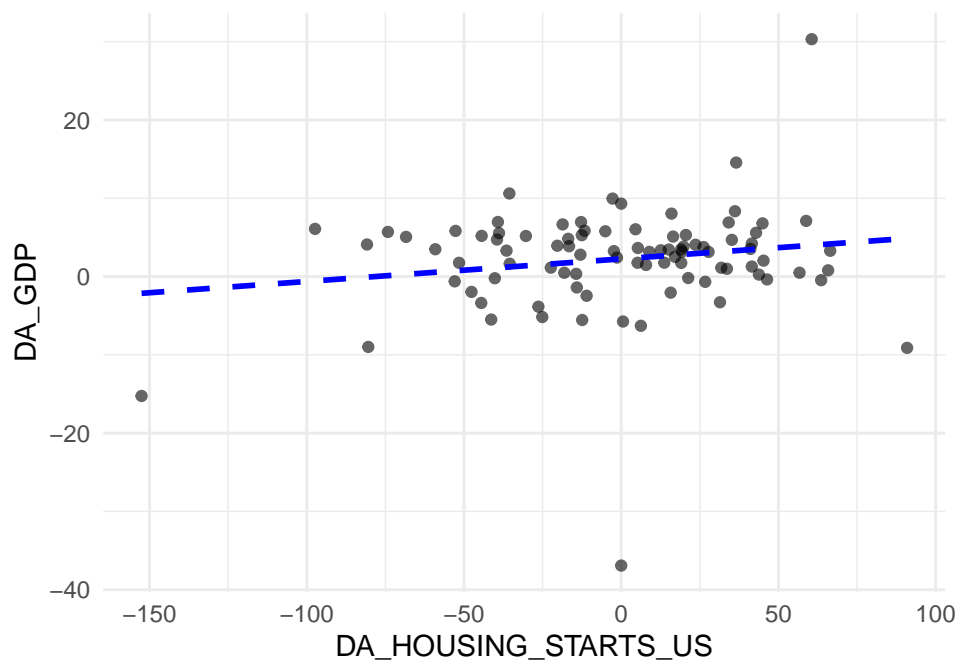
Standardized Time Series: DA\_Fx



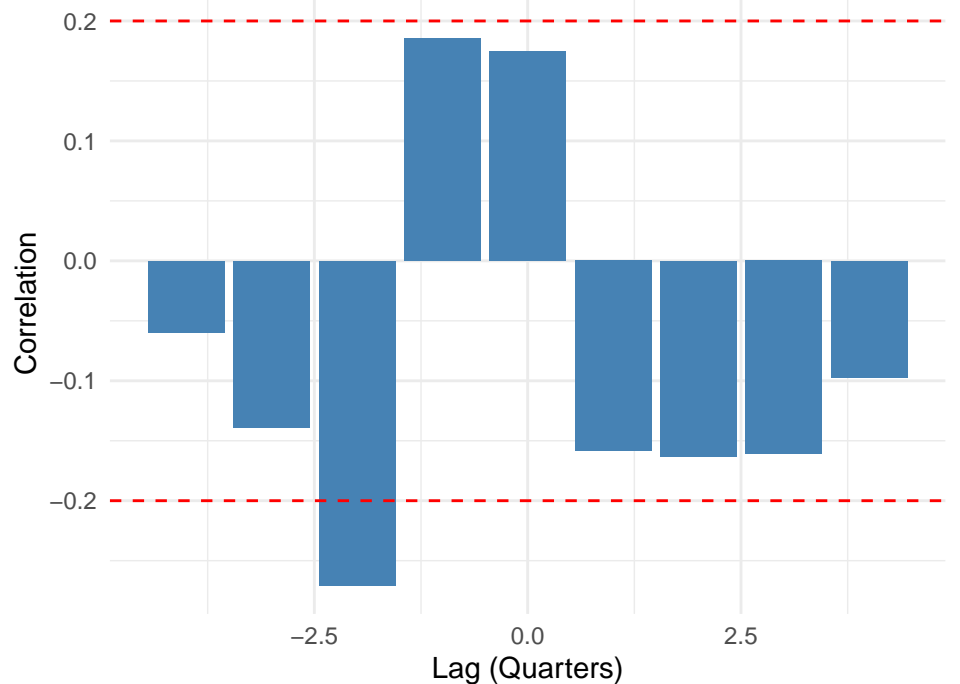


Scatter: DA\_HOUSING\_STARTS\_US vs Target

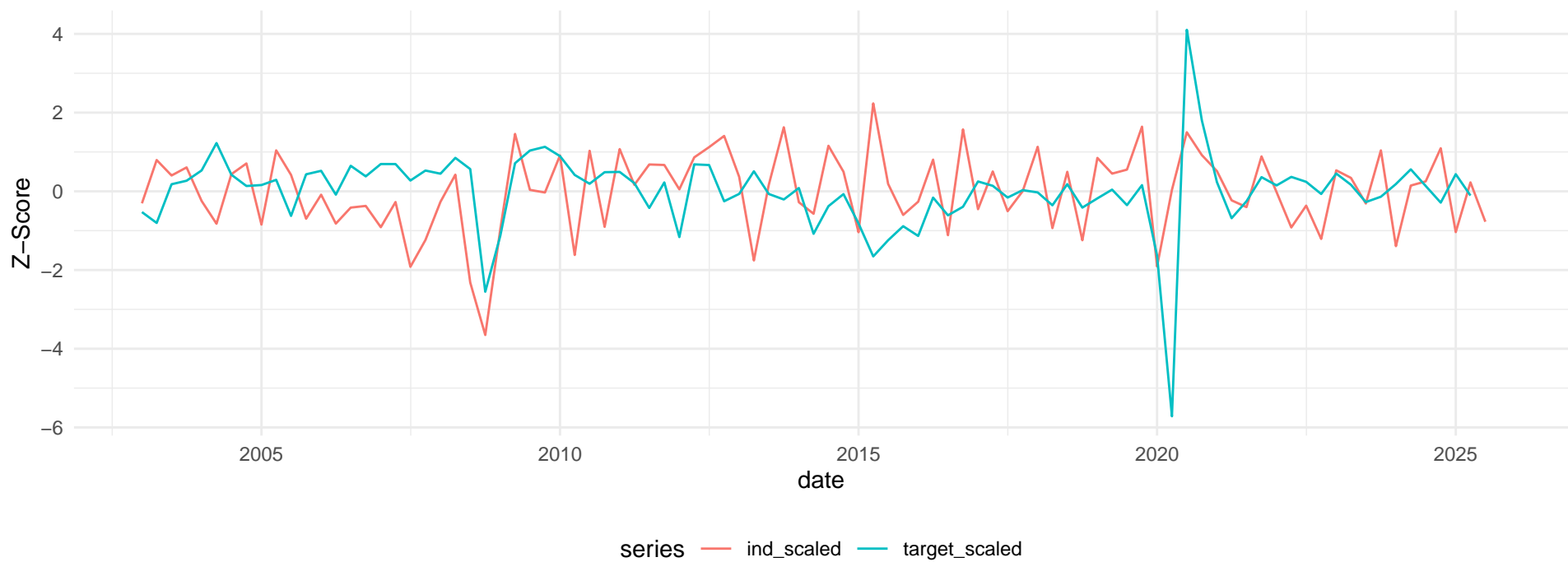
Corr: 0.17



Cross-Correlation (Quarterly Lags): DA\_HOUSING\_STARTS\_US vs Target

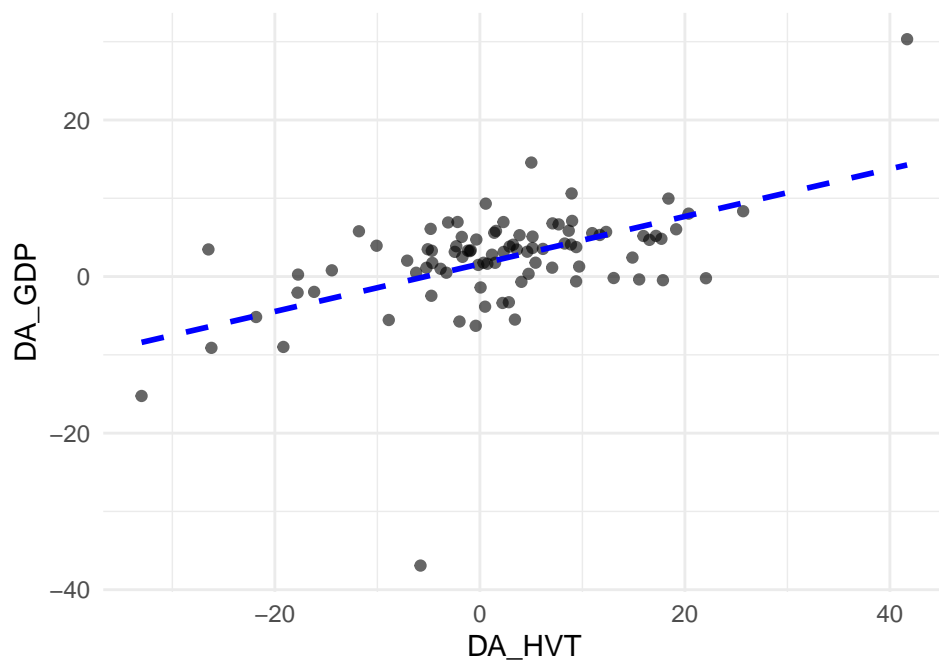


Standardized Time Series: DA\_HOUSING\_STARTS\_US

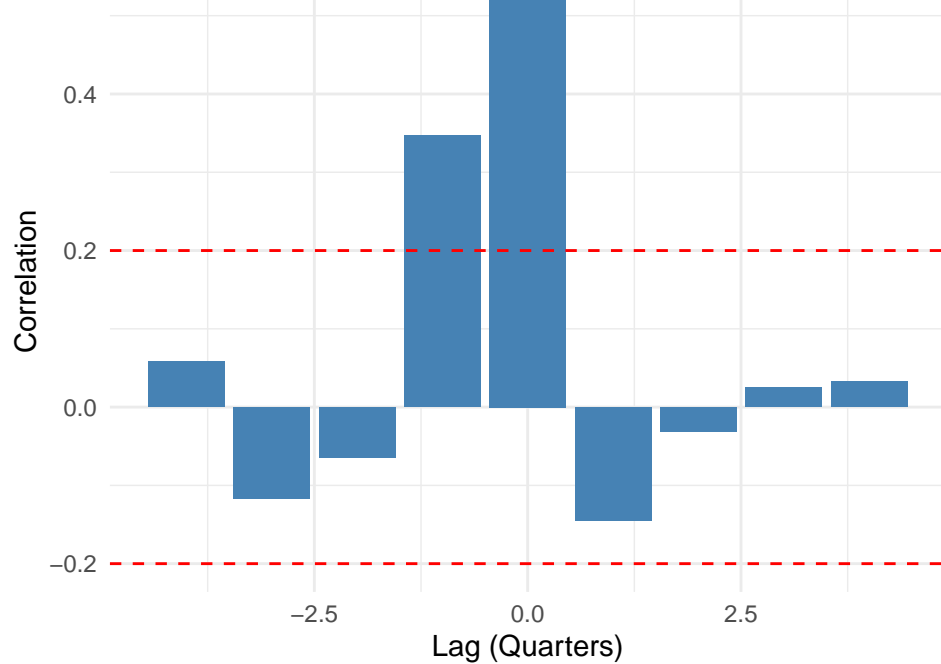


### Scatter: DA\_HVT vs Target

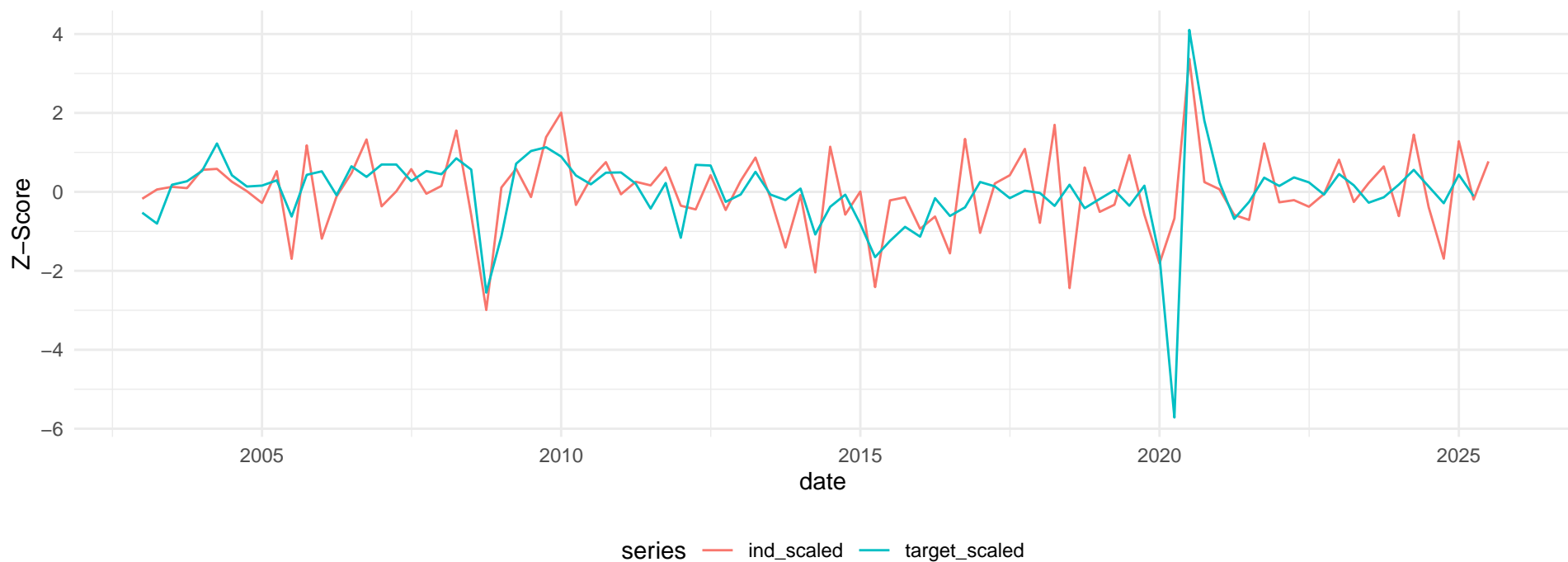
Corr: 0.52



### Cross-Correlation (Quarterly Lags): DA\_HVT

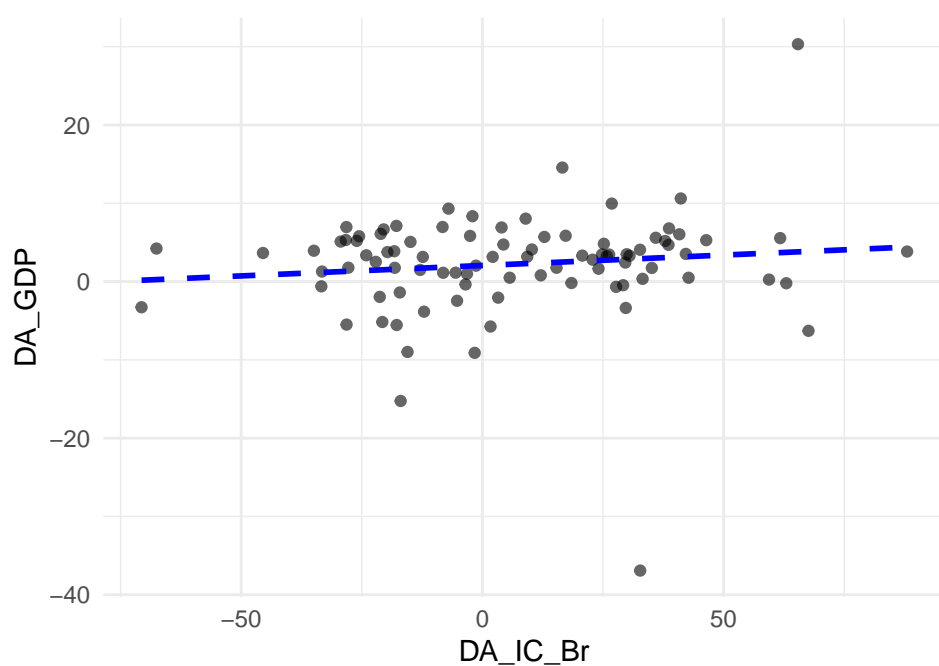


### Standardized Time Series: DA\_HVT

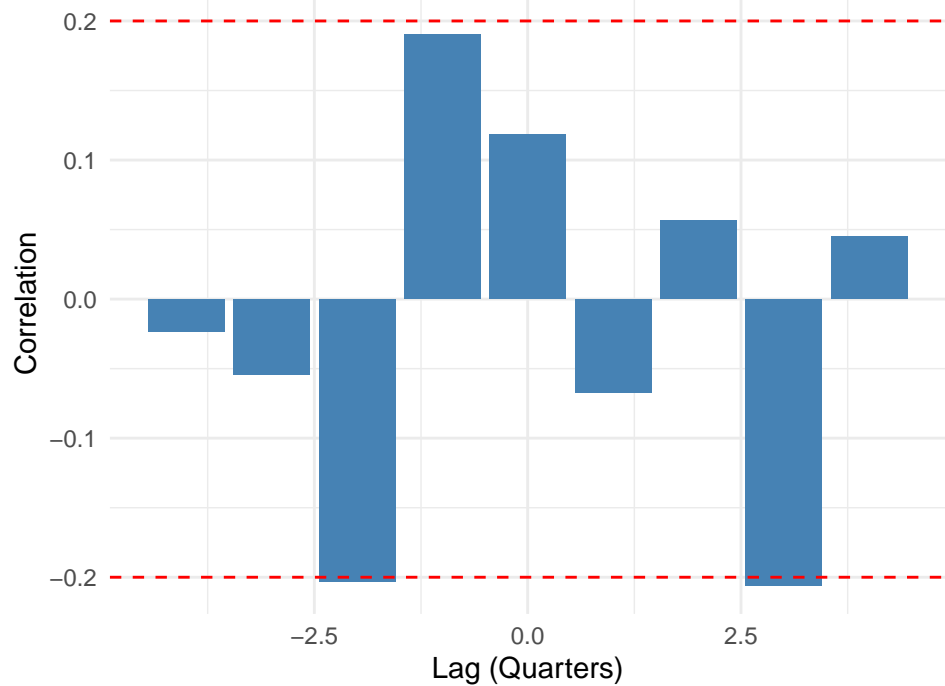


### Scatter: DA\_IC\_Br vs Target

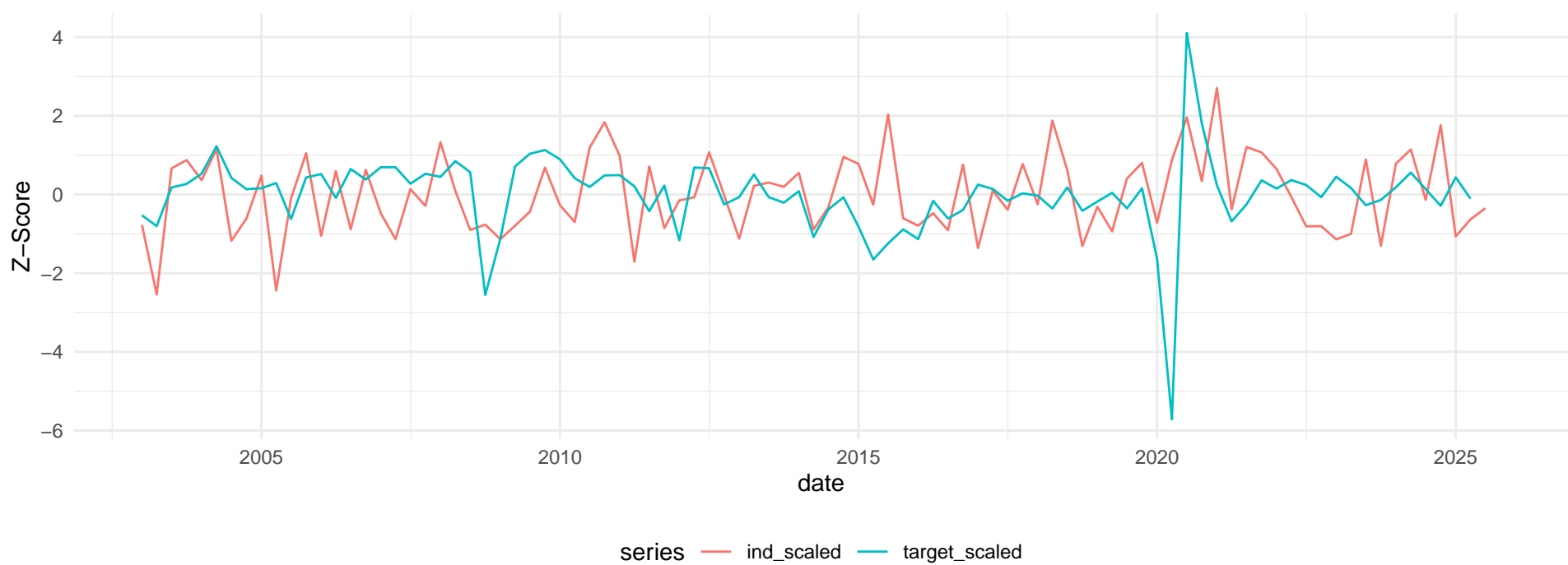
Corr: 0.12



### Cross-Correlation (Quarterly Lags): DA\_IC\_Br

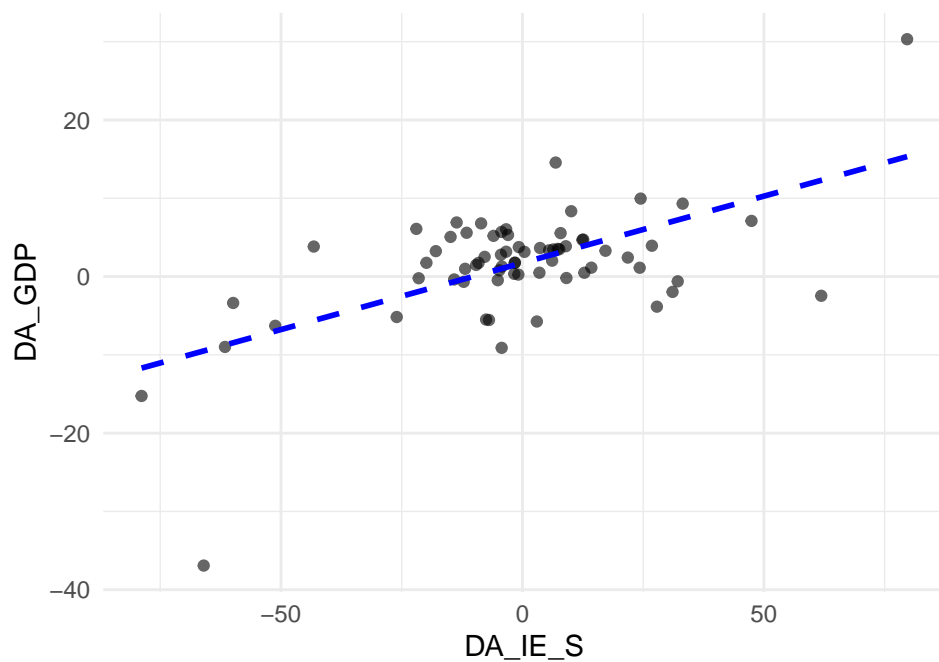


### Standardized Time Series: DA\_IC\_Br

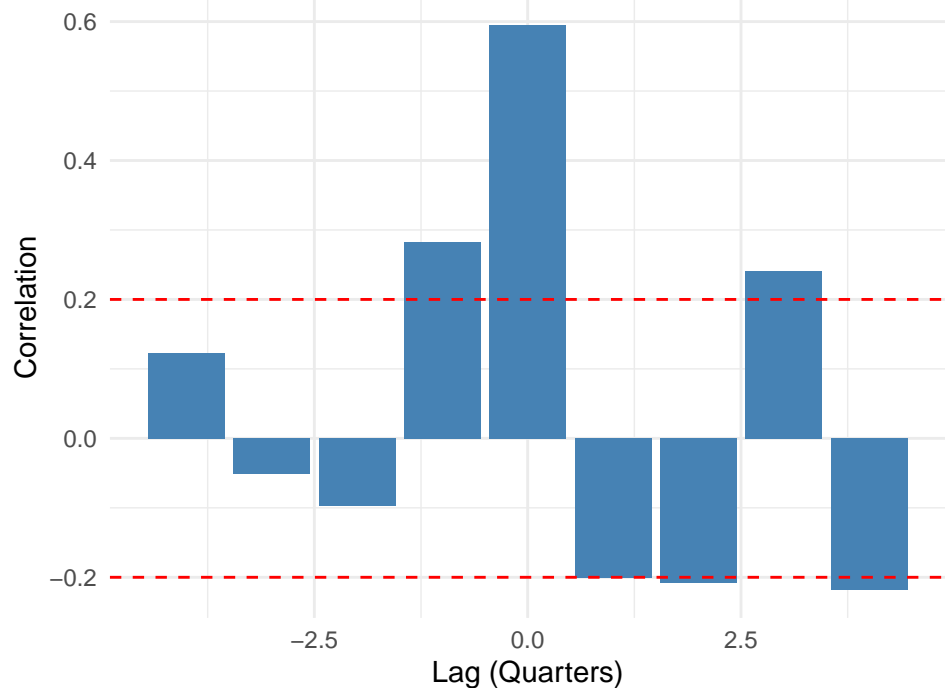


Scatter: DA\_IE\_S vs Target

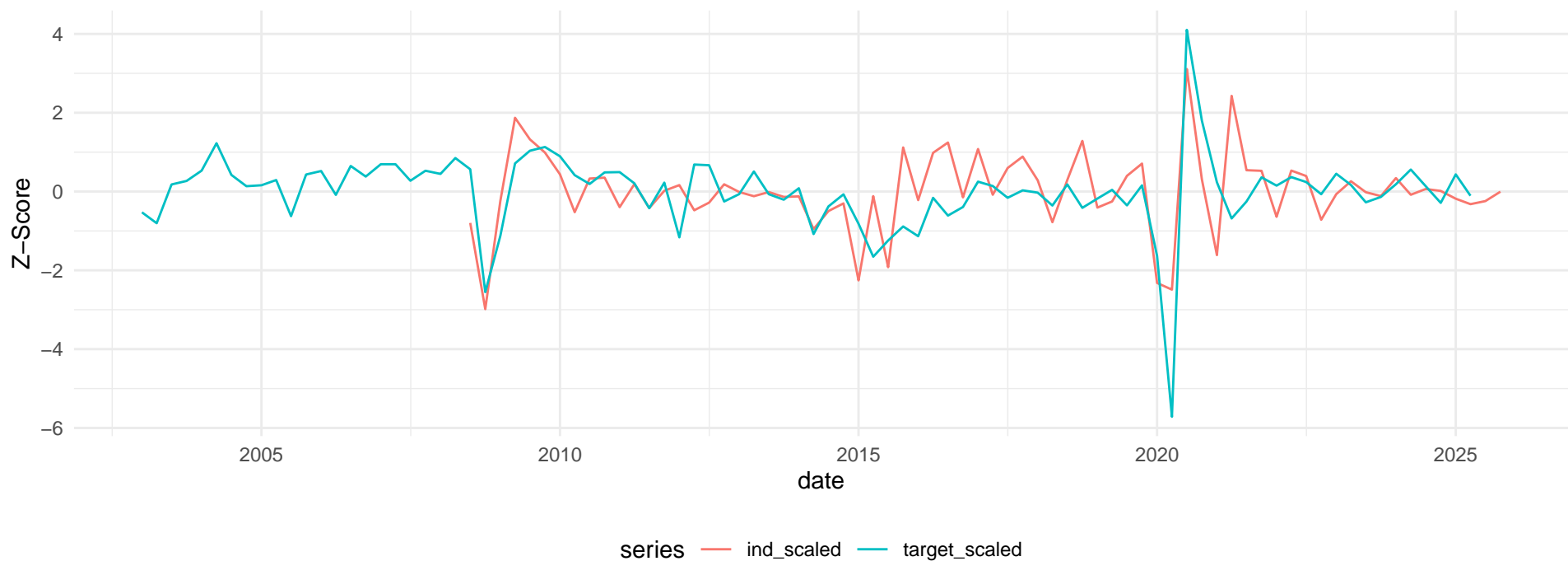
Corr: 0.6



Cross-Correlation (Quarterly Lags): DA\_IE\_S

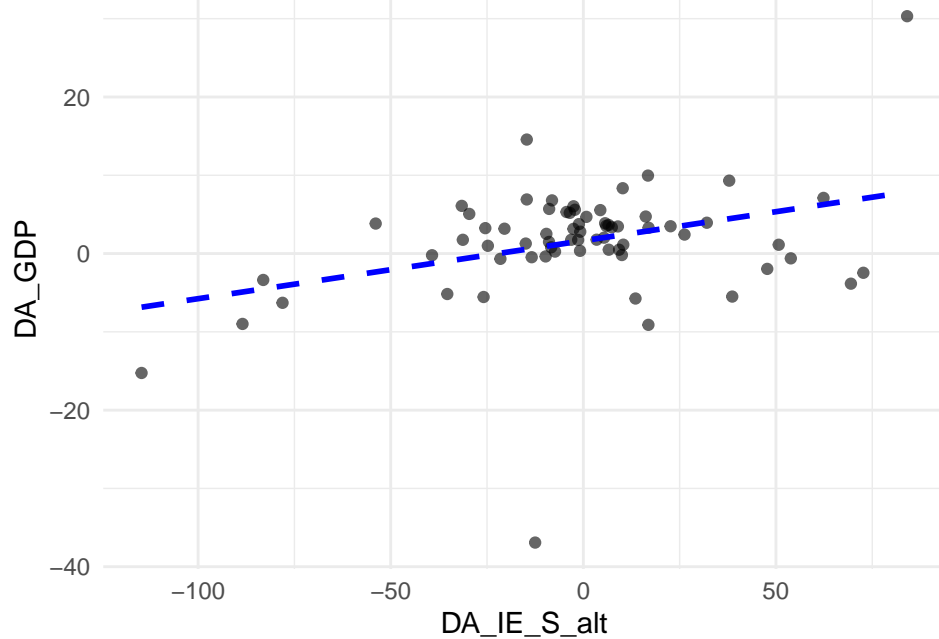


Standardized Time Series: DA\_IE\_S

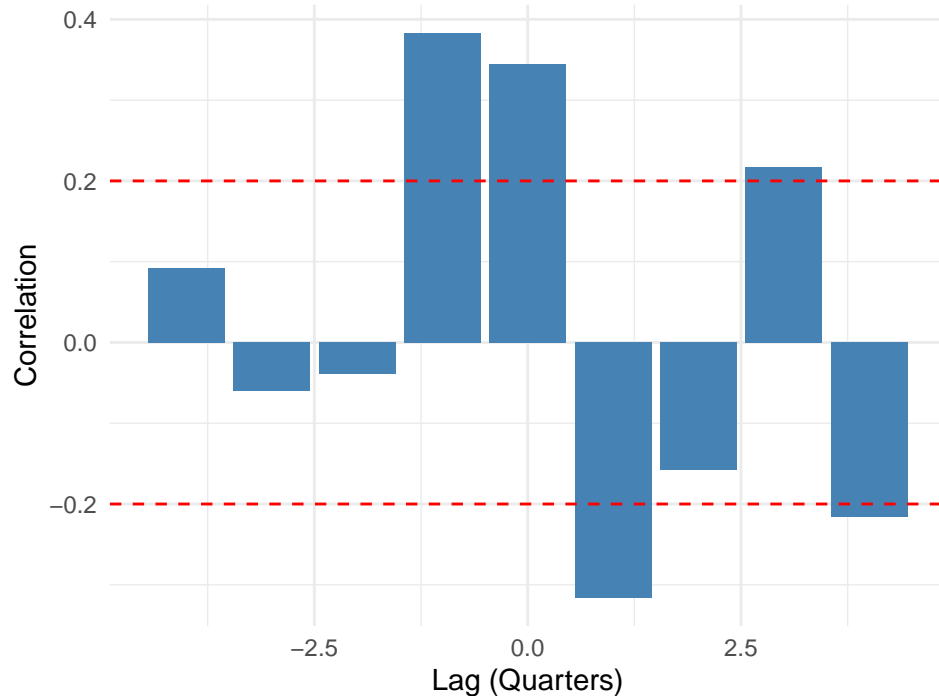


Scatter: DA\_IE\_S\_alt vs Target

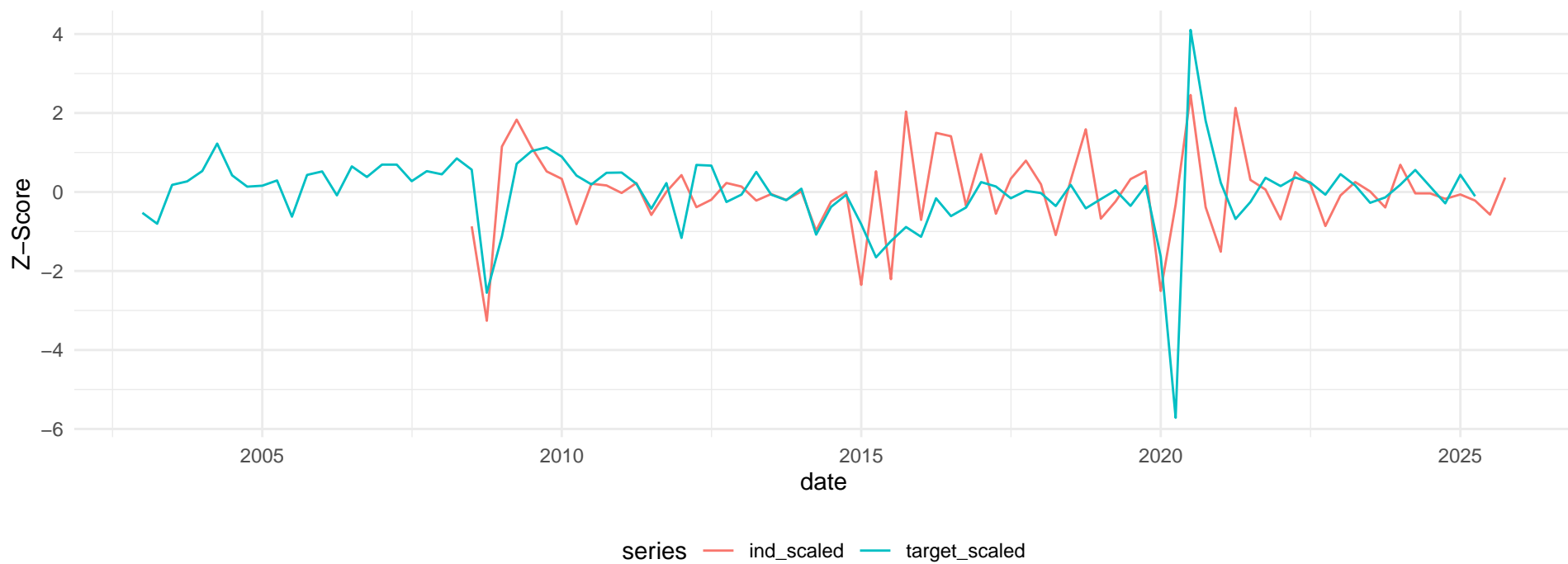
Corr: 0.34



Cross-Correlation (Quarterly Lags): DA\_IE\_S\_alt

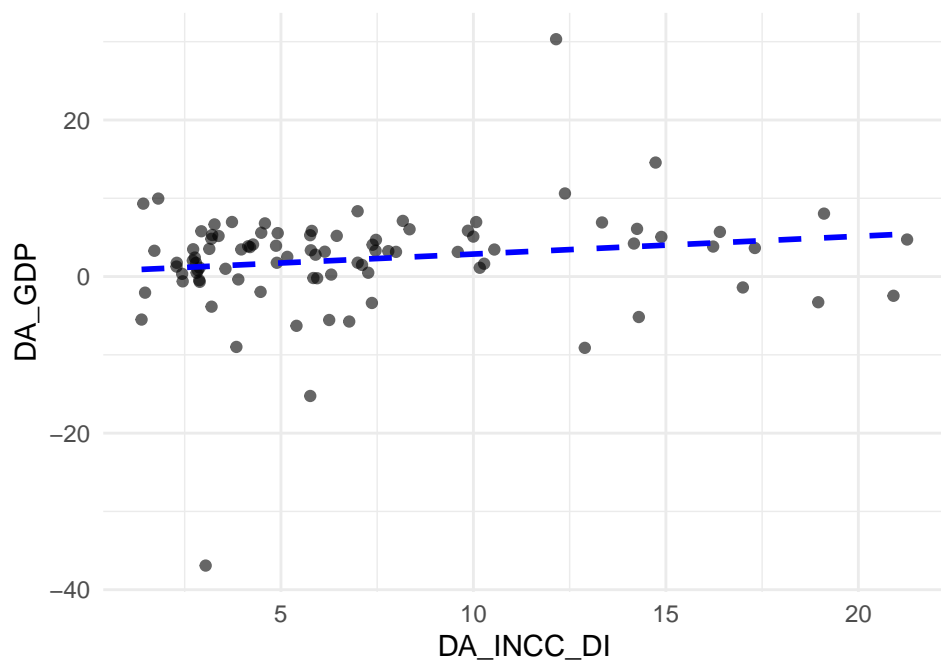


Standardized Time Series: DA\_IE\_S\_alt

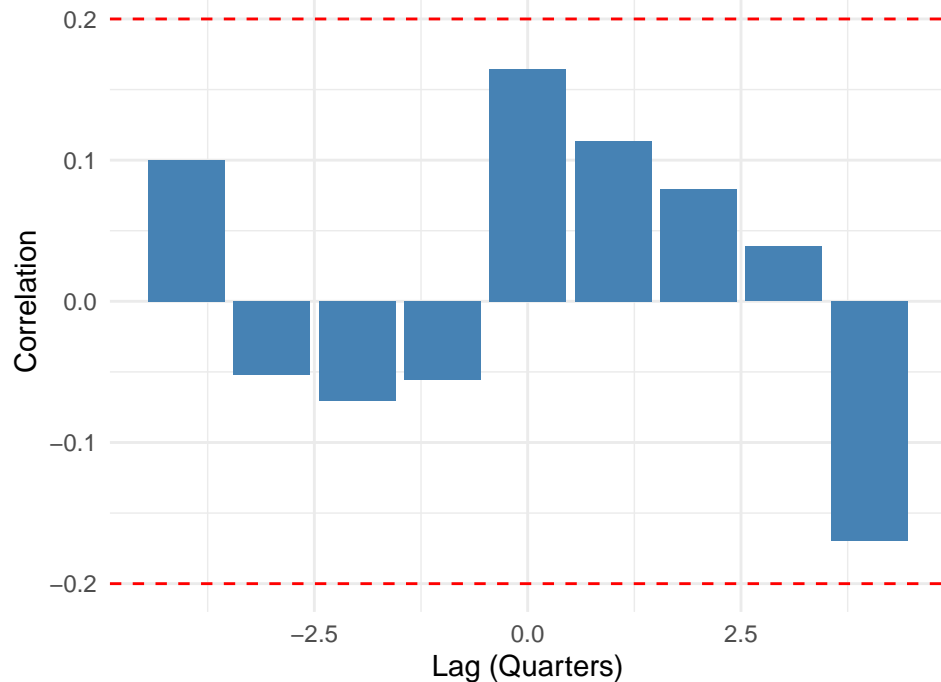


Scatter: DA\_INCC\_DI vs Target

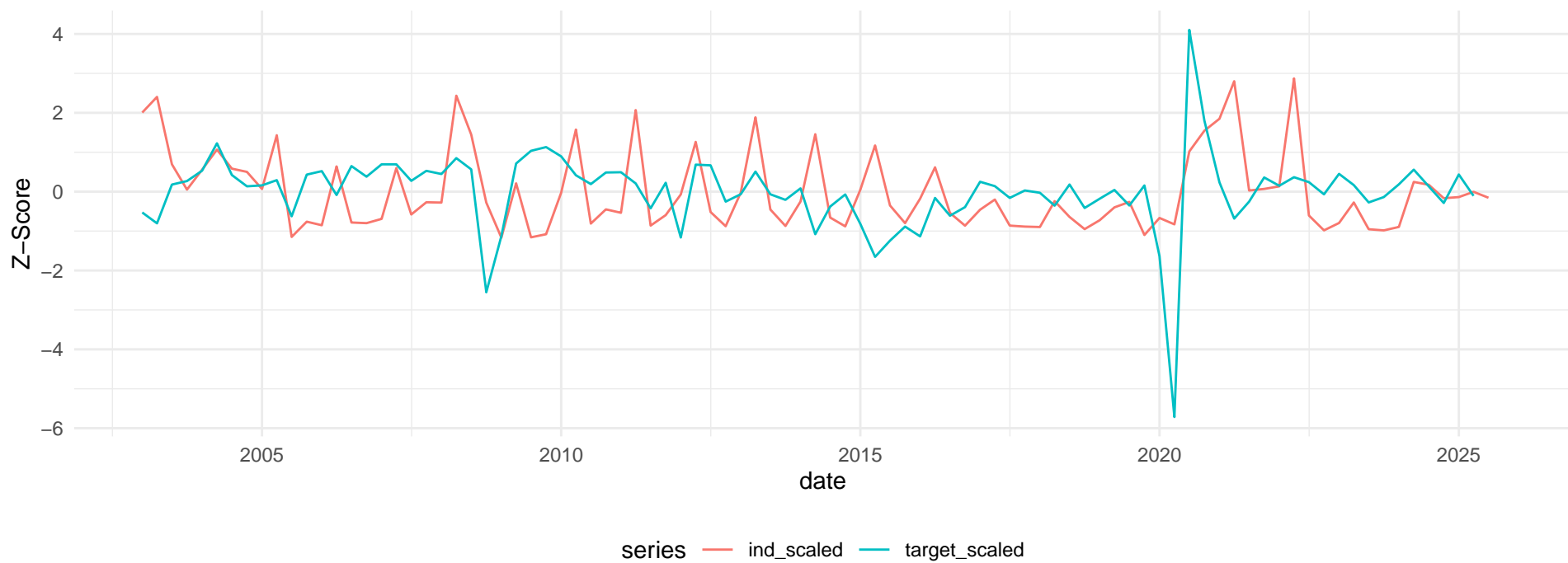
Corr: 0.16



Cross-Correlation (Quarterly Lags): DA\_INCC\_DI

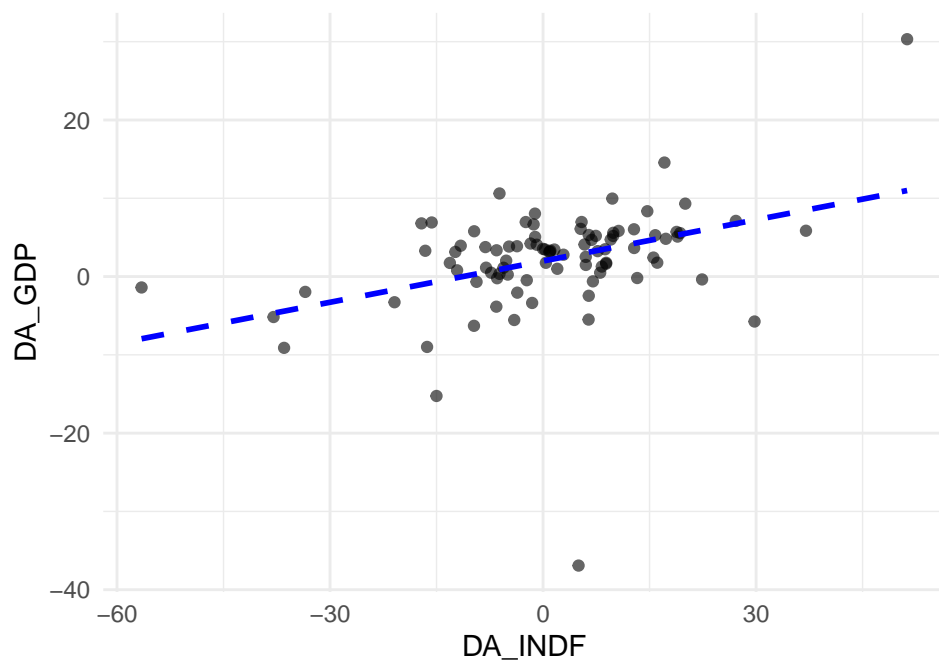


Standardized Time Series: DA\_INCC\_DI

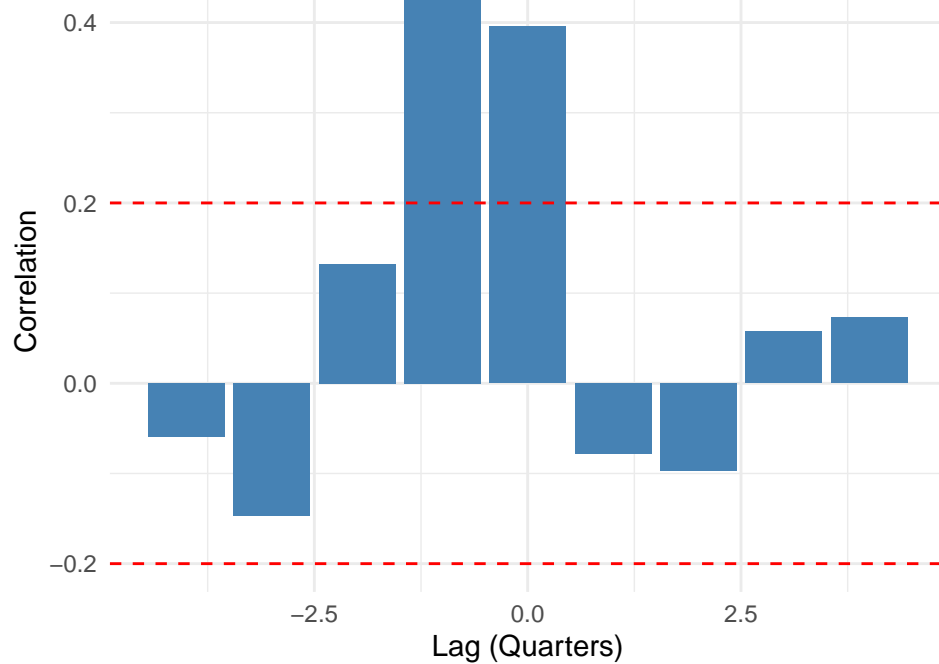


Scatter: DA\_INDF vs Target

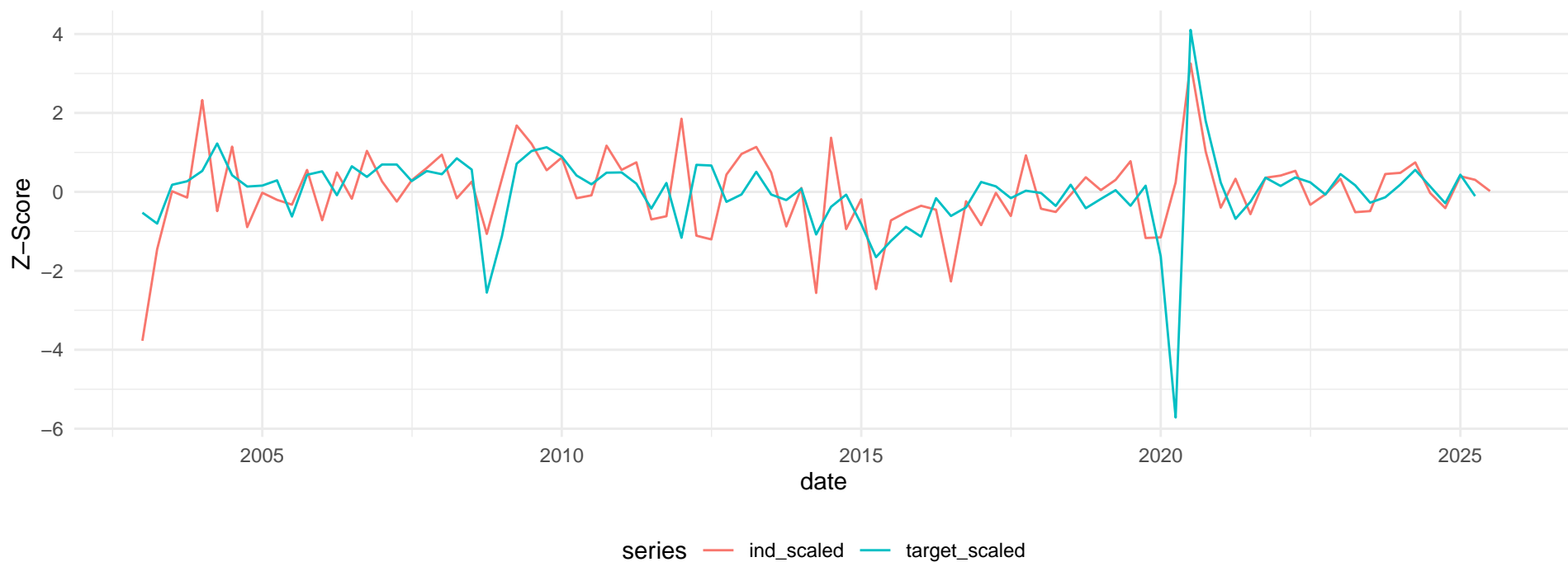
Corr: 0.4



Cross-Correlation (Quarterly Lags): DA\_INDF

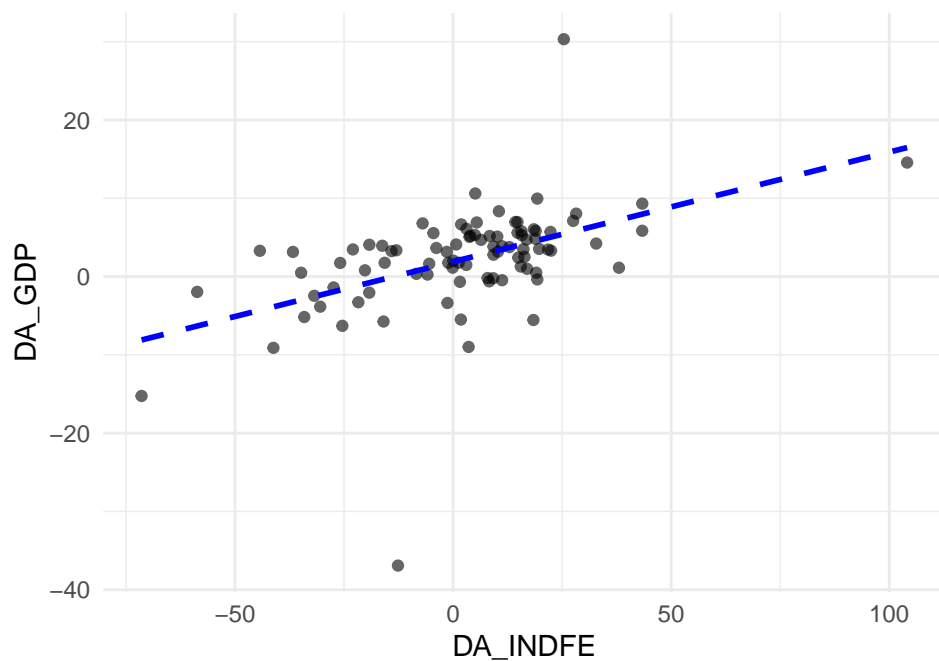


Standardized Time Series: DA\_INDF

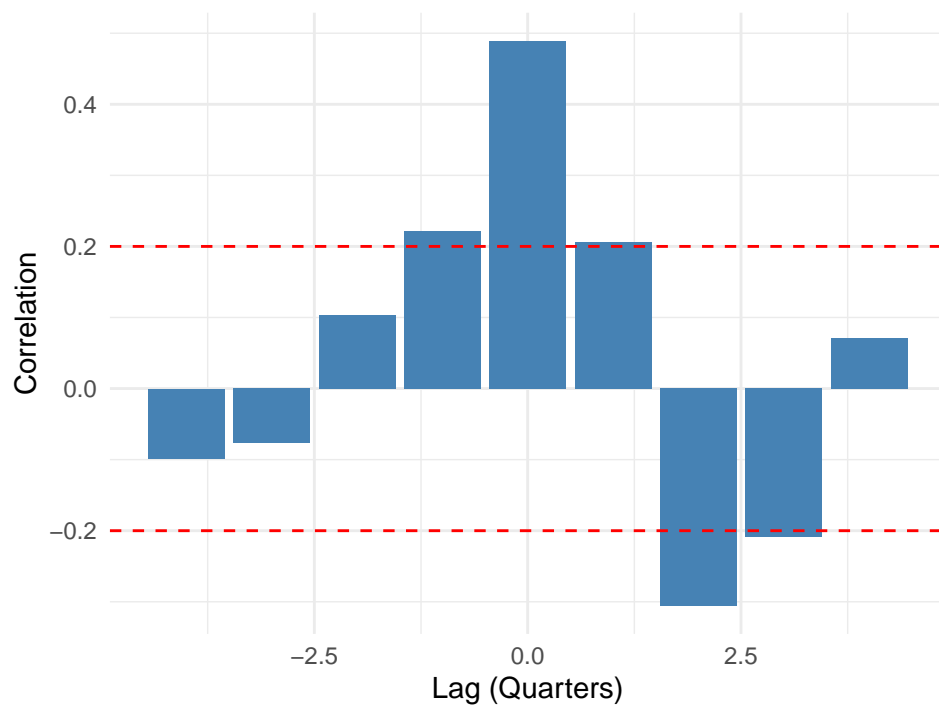


Scatter: DA\_INDFE vs Target

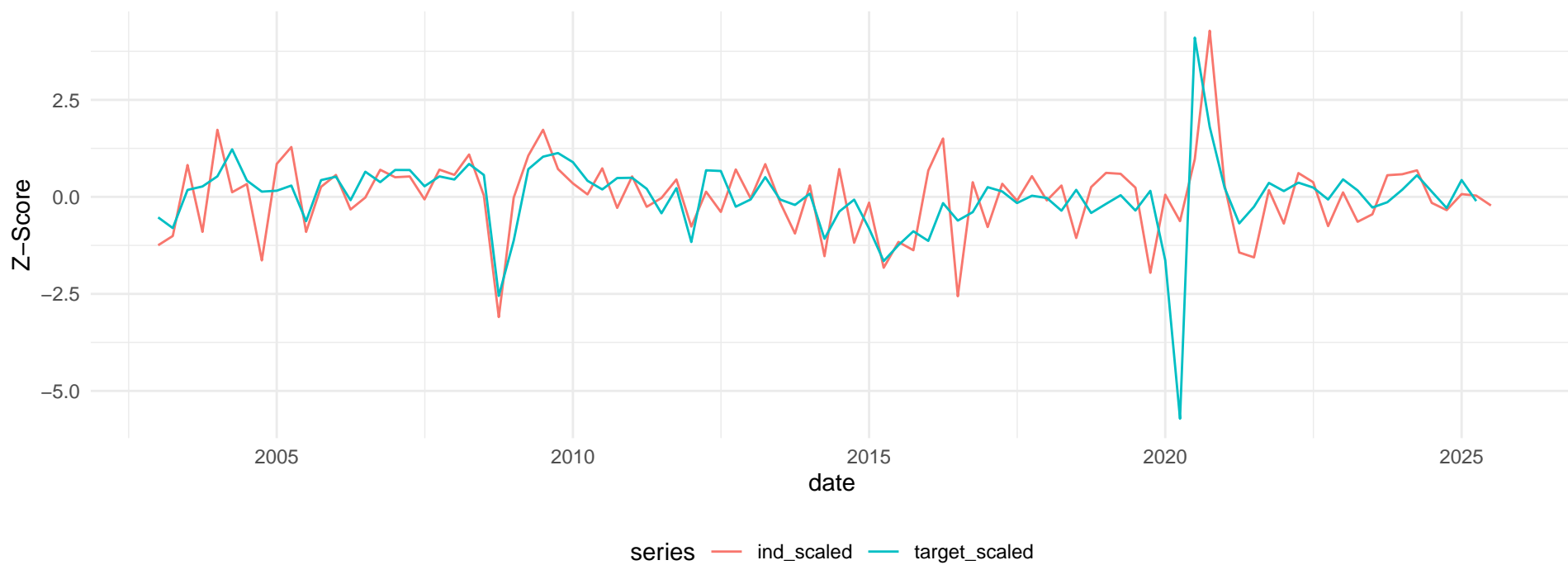
Corr: 0.49



Cross-Correlation (Quarterly Lags): DA\_INDFE



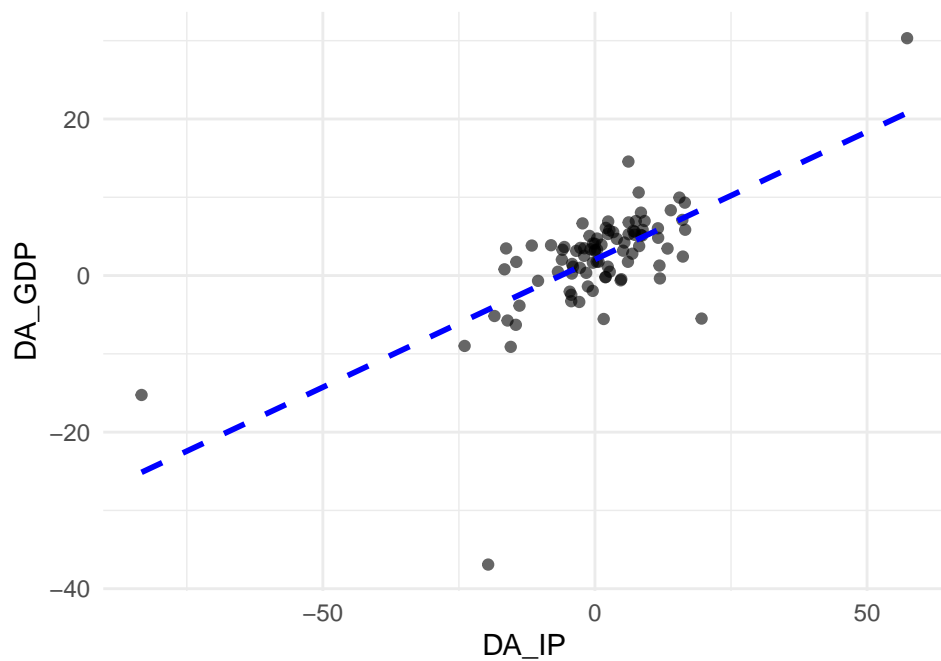
Standardized Time Series: DA\_INDFE



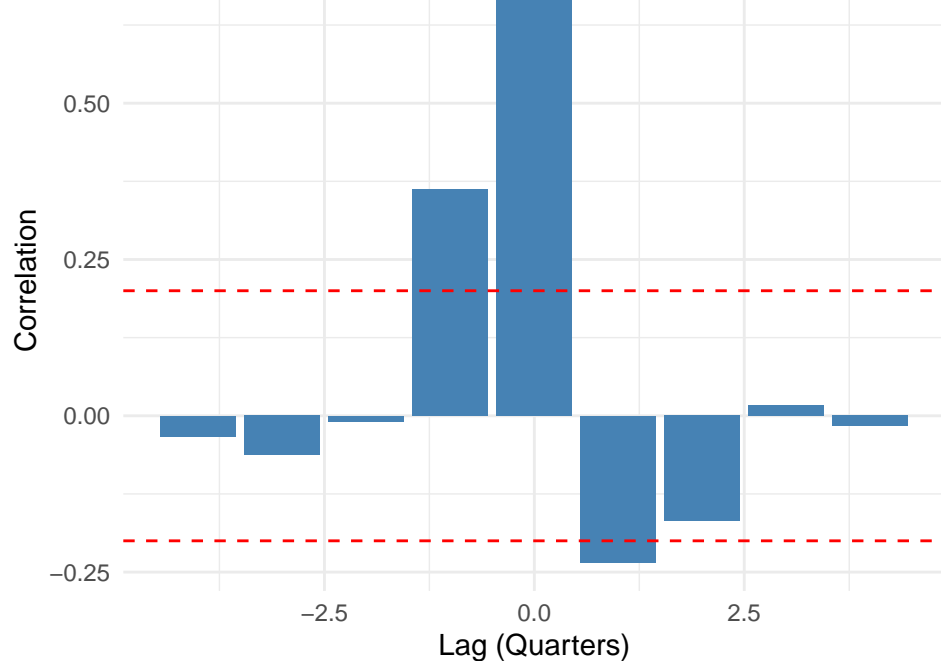


### Scatter: DA\_IP vs Target

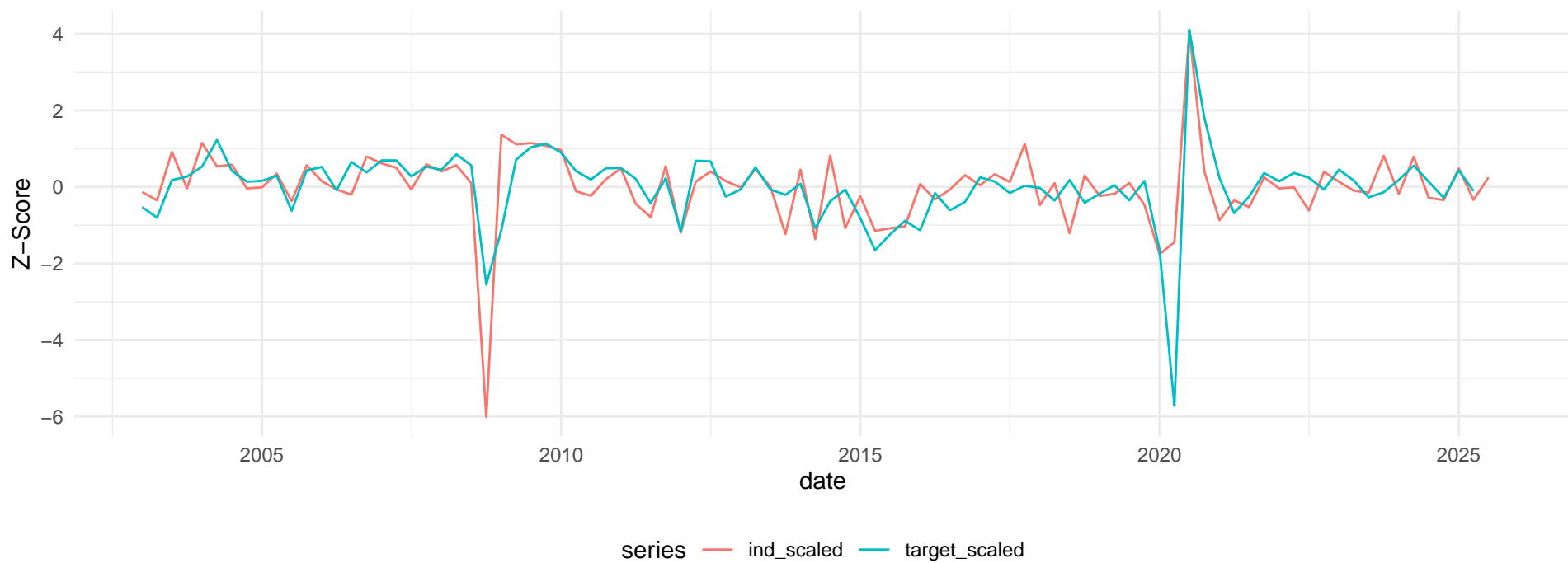
Corr: 0.67



### Cross-Correlation (Quarterly Lags): DA\_IP

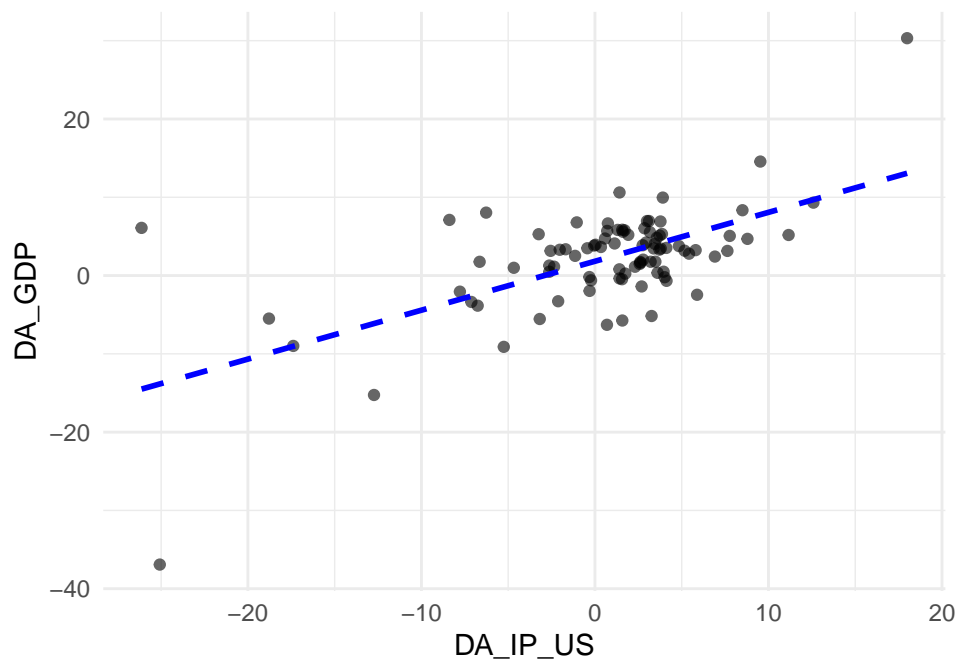


### Standardized Time Series: DA\_IP

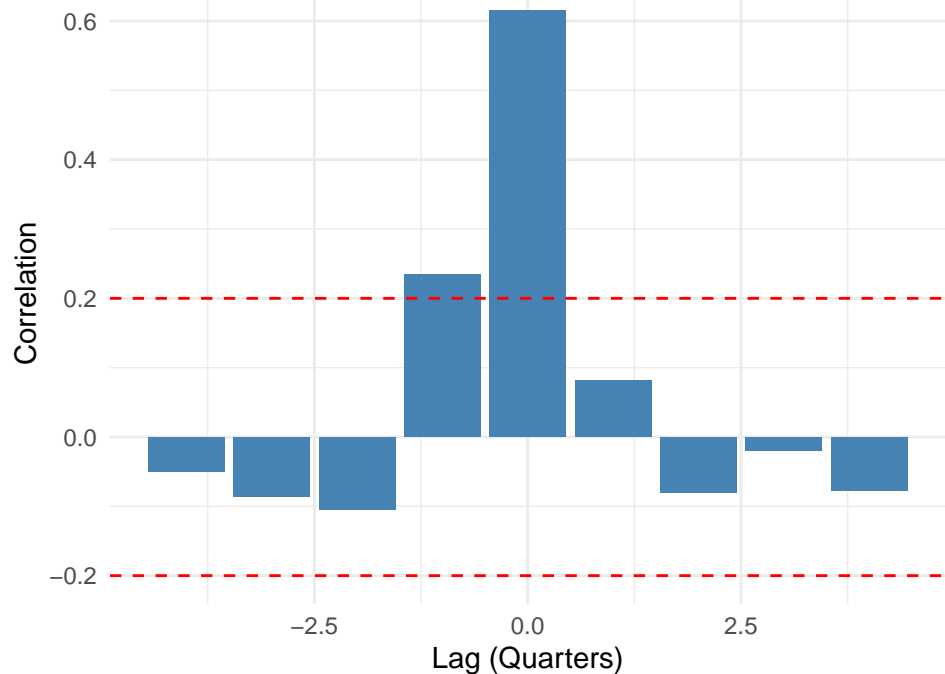


Scatter: DA\_IP\_US vs Target

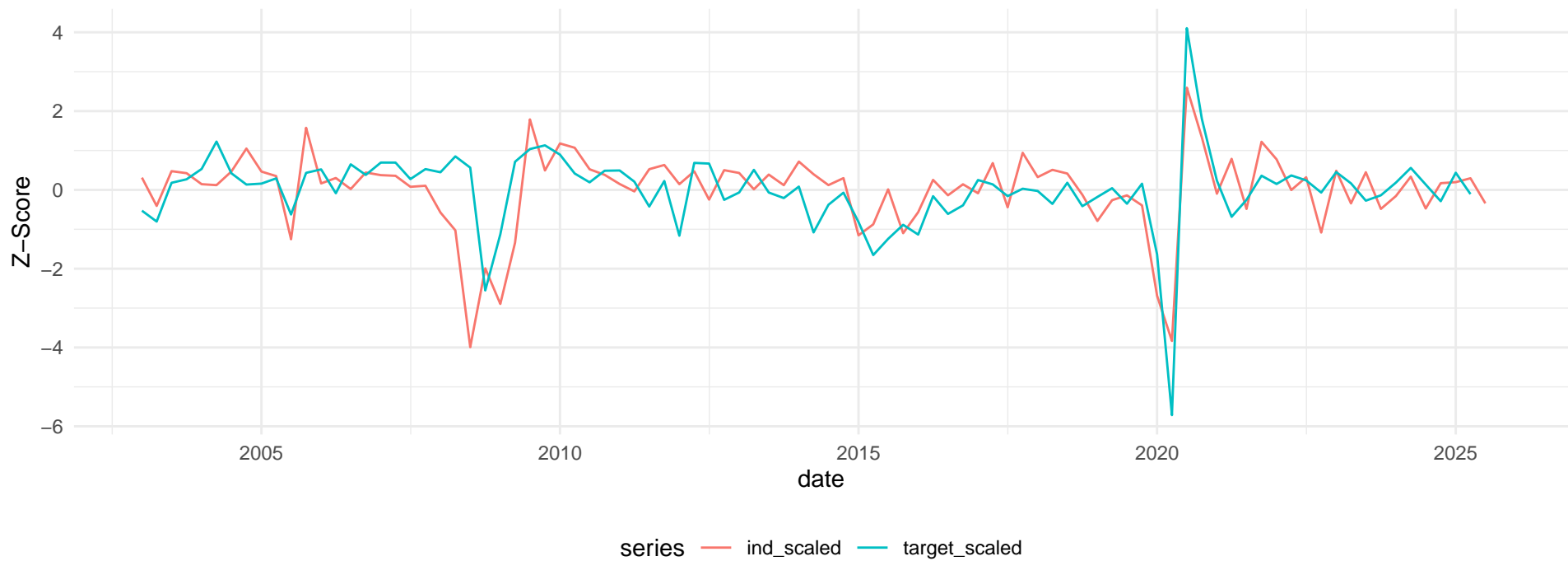
Corr: 0.61



Cross-Correlation (Quarterly Lags): DA\_IP\_US

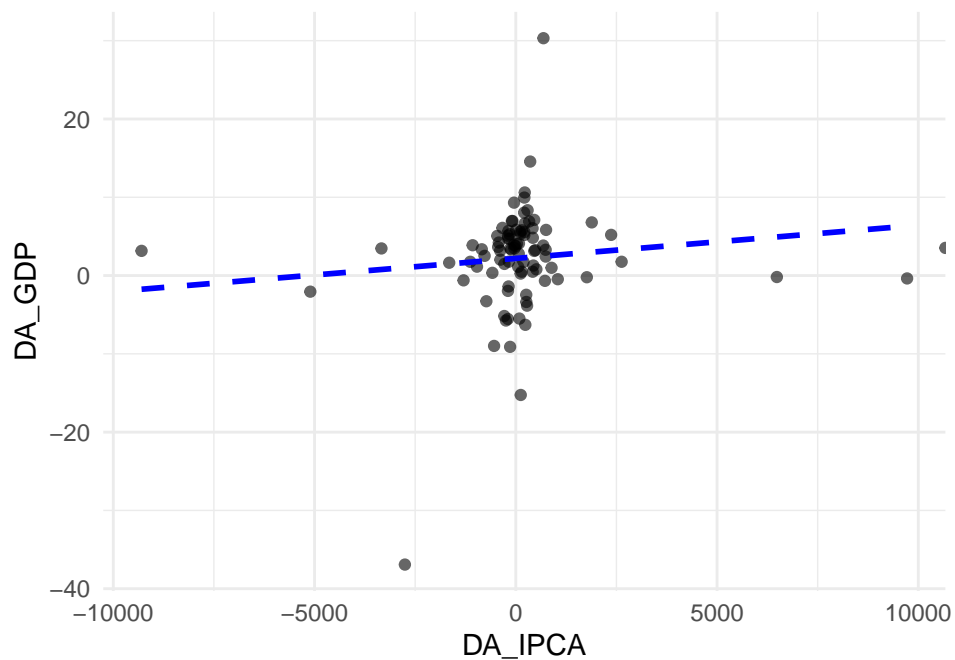


Standardized Time Series: DA\_IP\_US

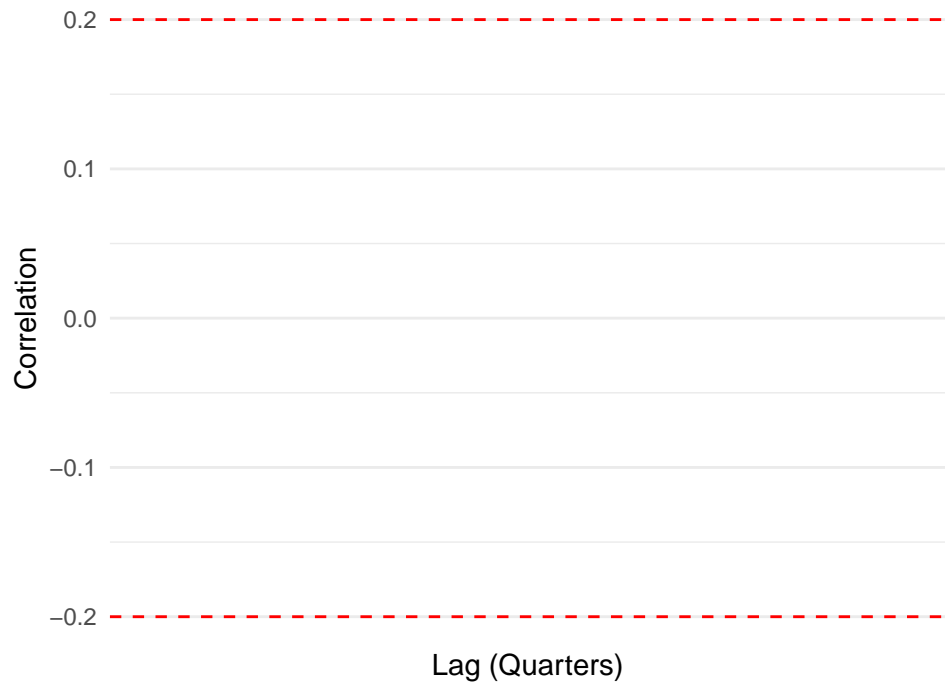


Scatter: DA\_IPCA vs Target

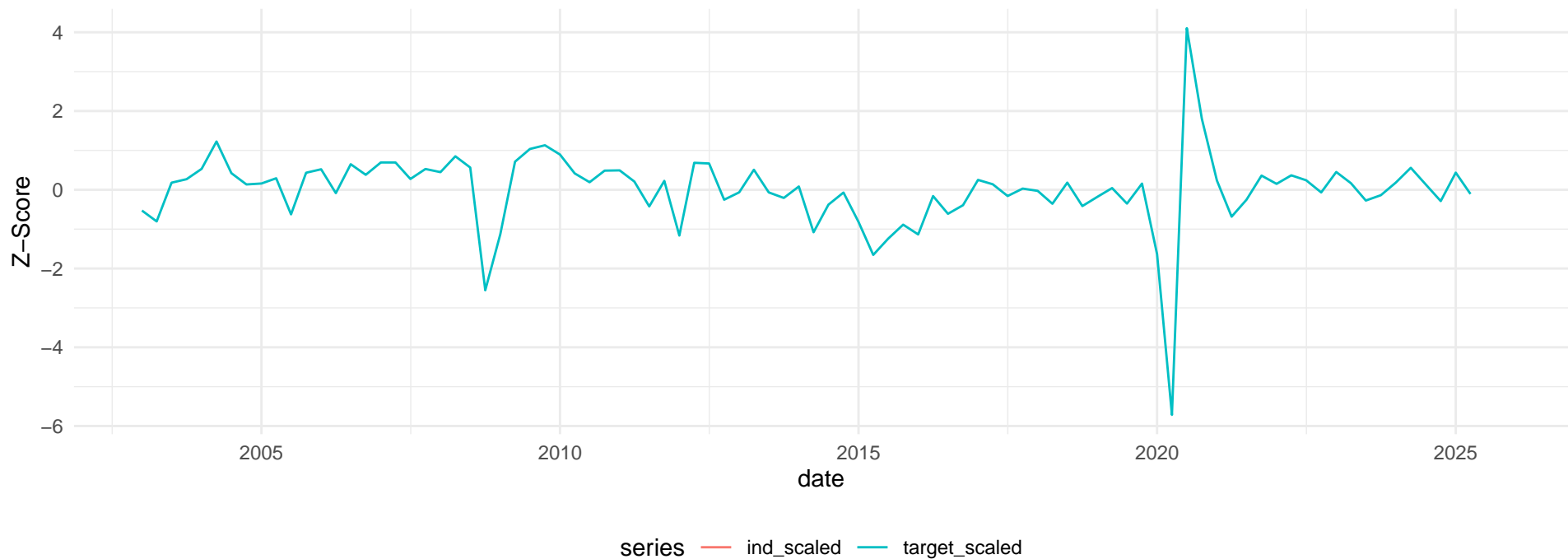
Corr: NaN



Cross-Correlation (Quarterly Lags): DA\_IPCA

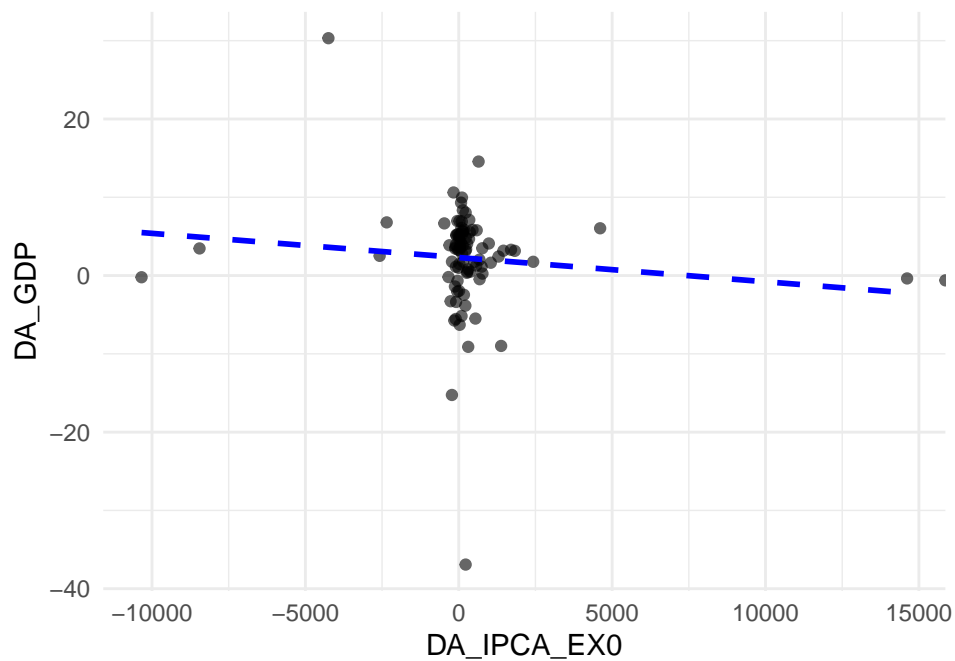


Standardized Time Series: DA\_IPCA

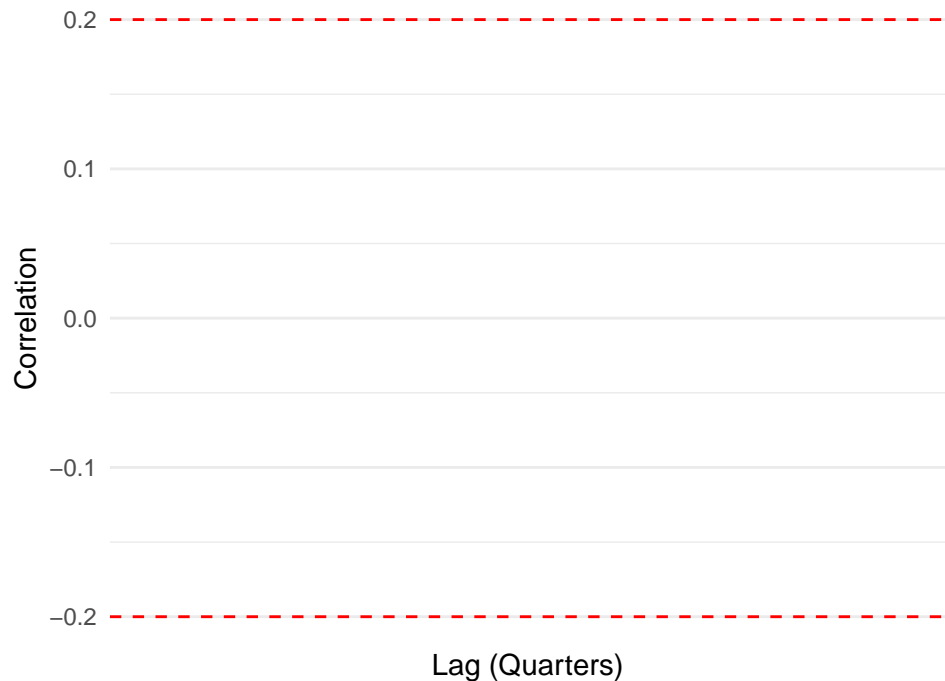


Scatter: DA\_IPCA\_EX0 vs Target

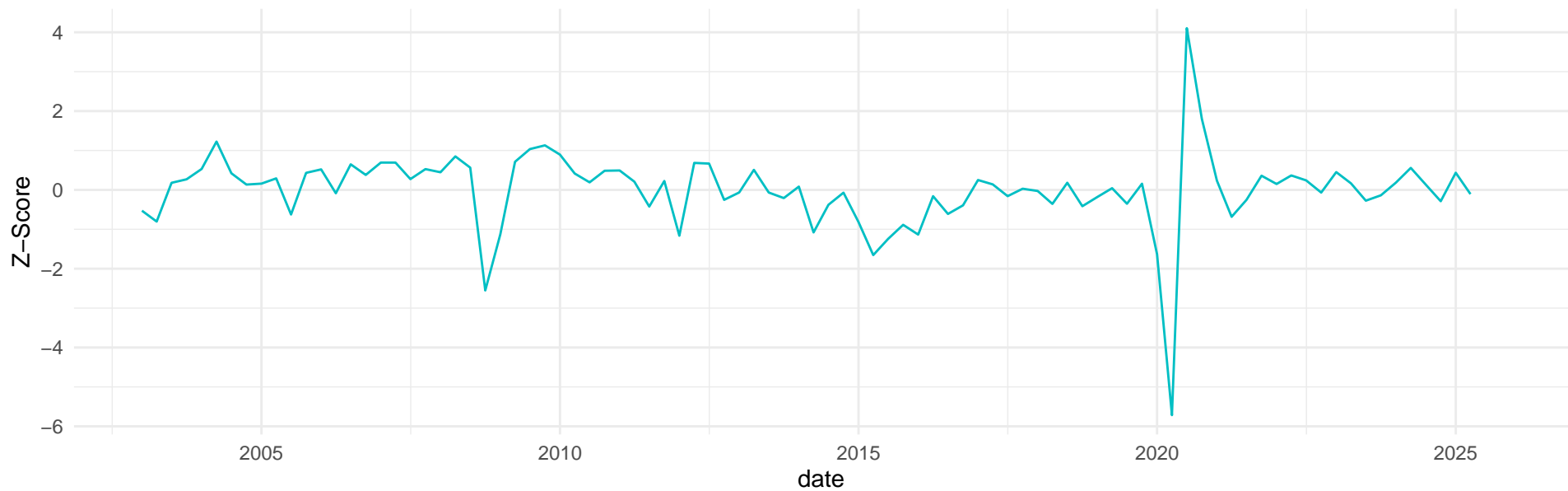
Corr: NaN



Cross-Correlation (Quarterly Lags): DA\_IPCA\_EX0



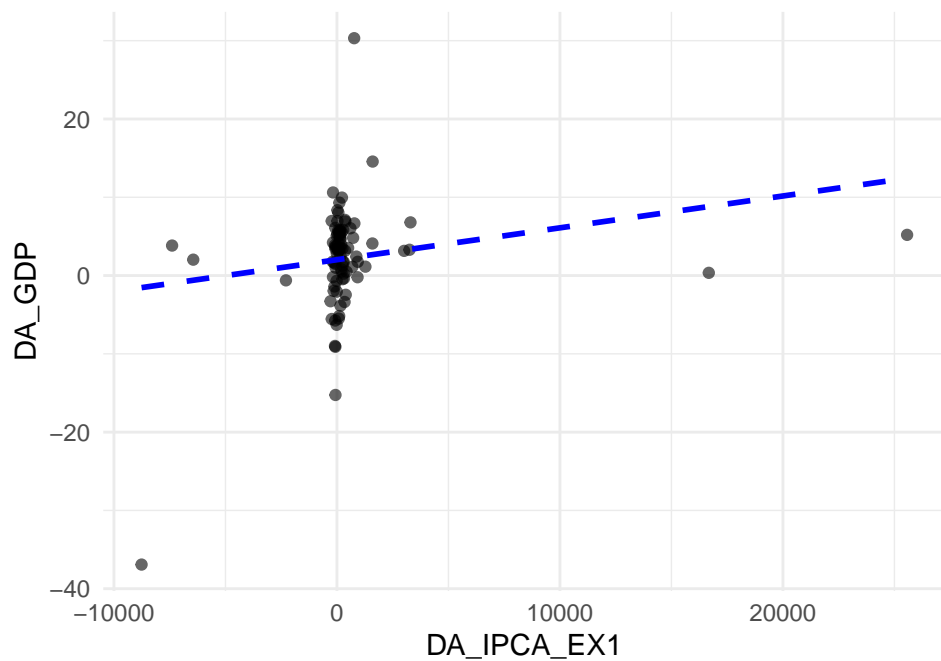
Standardized Time Series: DA\_IPCA\_EX0



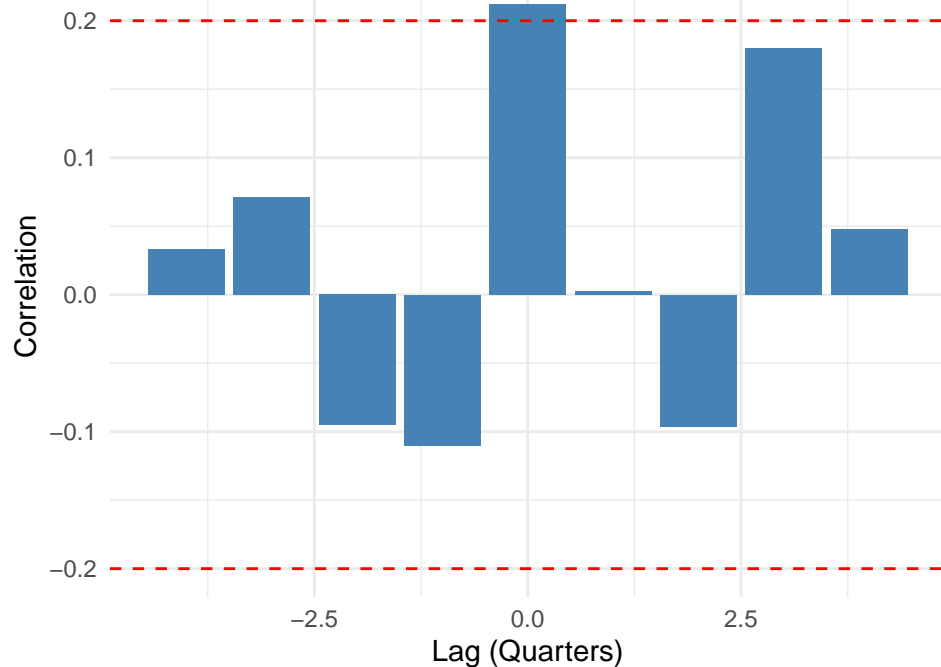
series ind\_scaled target\_scaled

Scatter: DA\_IPCA\_EX1 vs Target

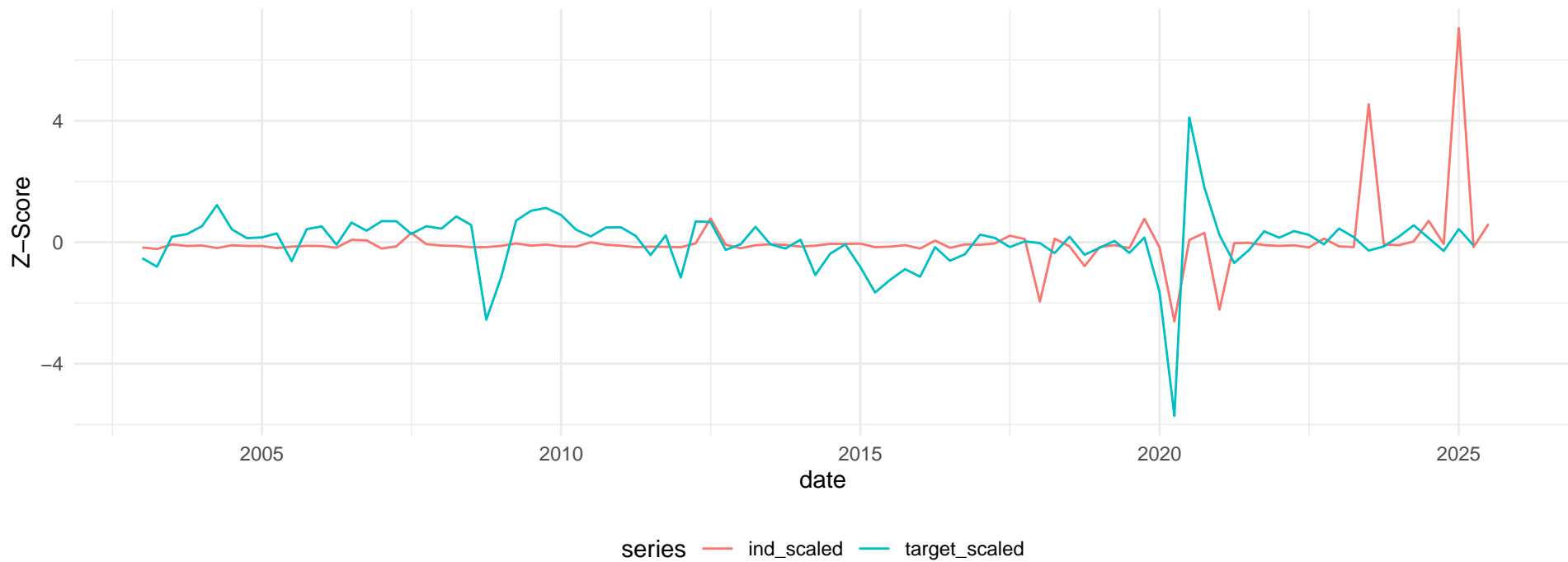
Corr: 0.21



Cross-Correlation (Quarterly Lags): DA\_IPCA\_EX1

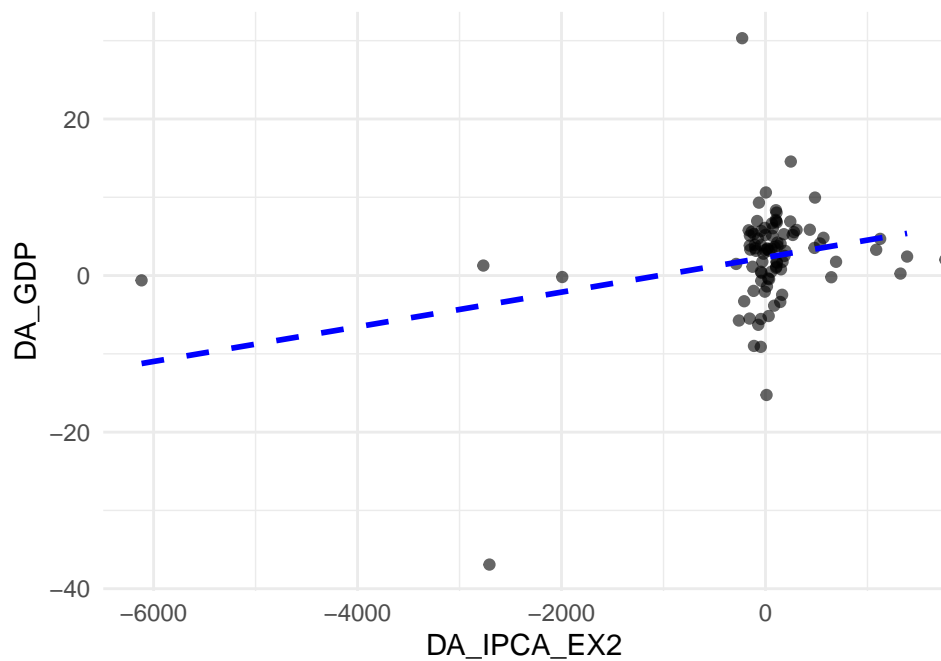


Standardized Time Series: DA\_IPCA\_EX1

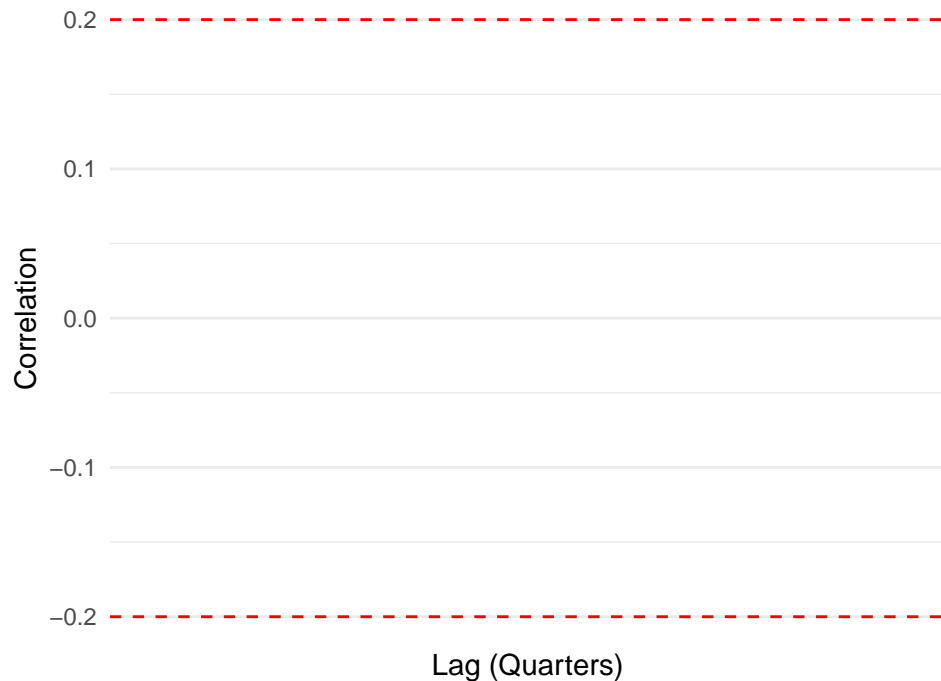


Scatter: DA\_IPCA\_EX2 vs Target

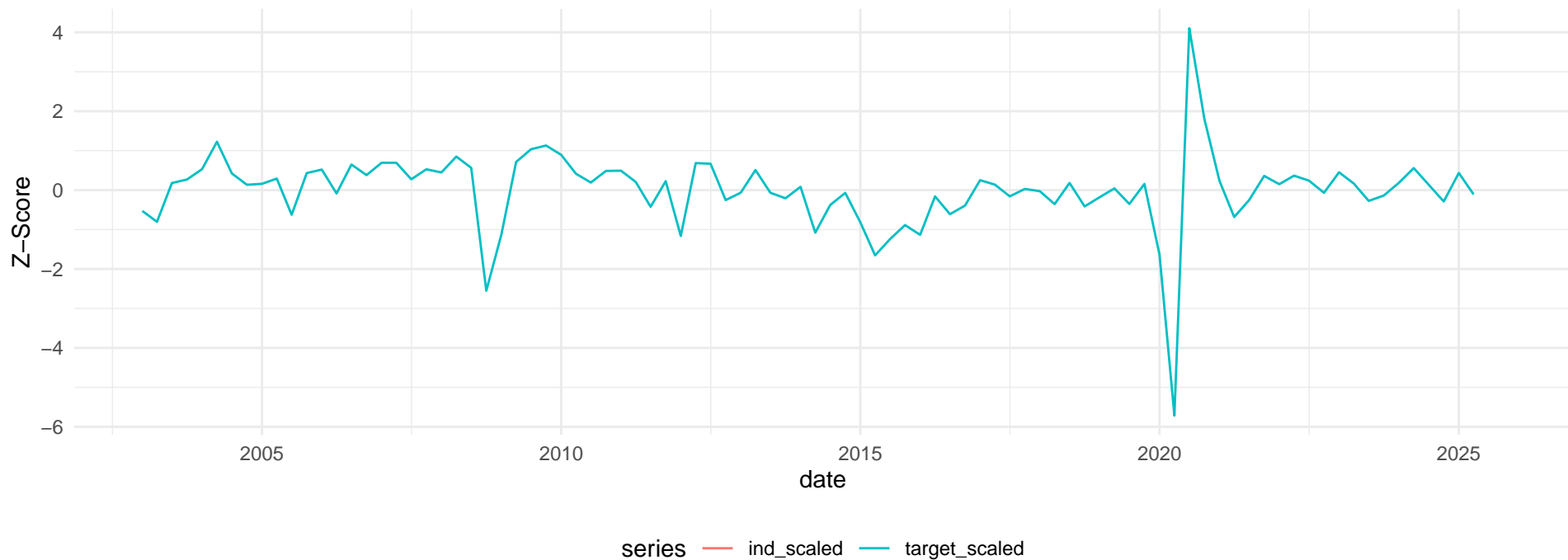
Corr: NaN



Cross-Correlation (Quarterly Lags): DA\_IPCA\_EX2

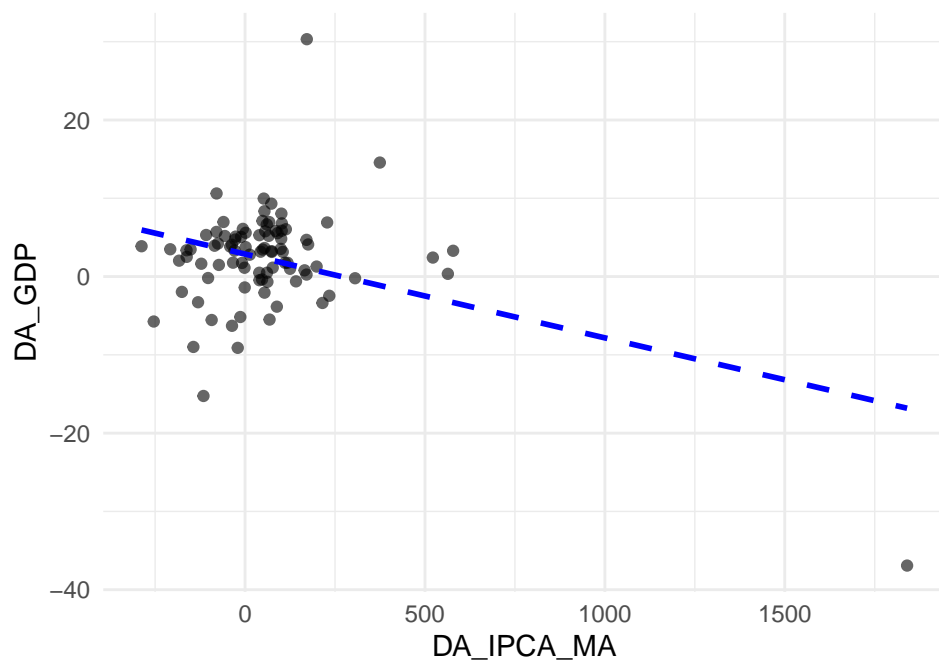


Standardized Time Series: DA\_IPCA\_EX2

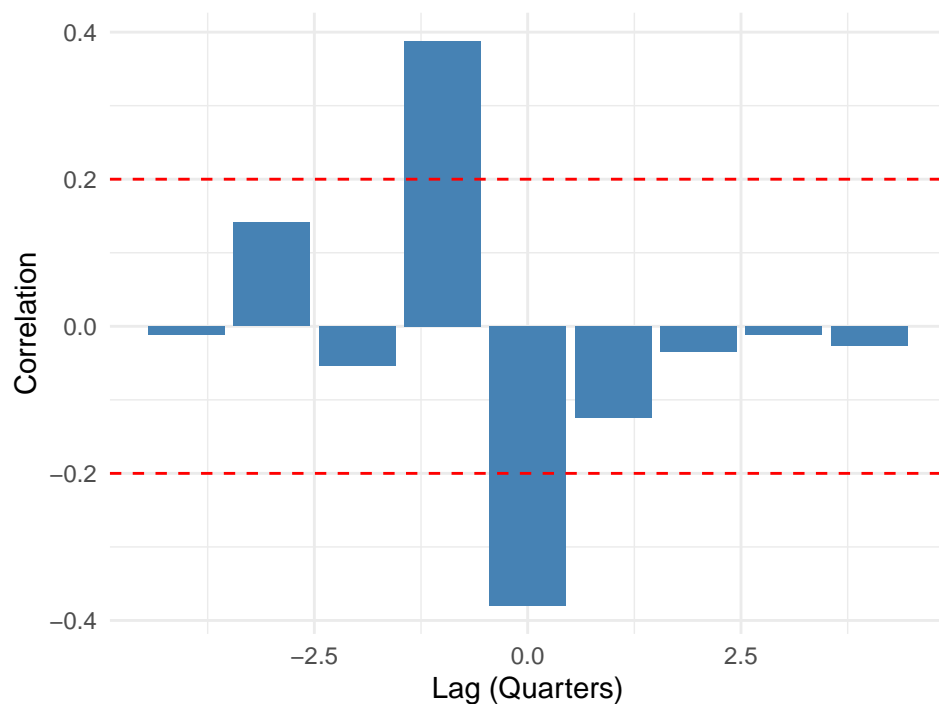


Scatter: DA\_IPCA\_MA vs Target

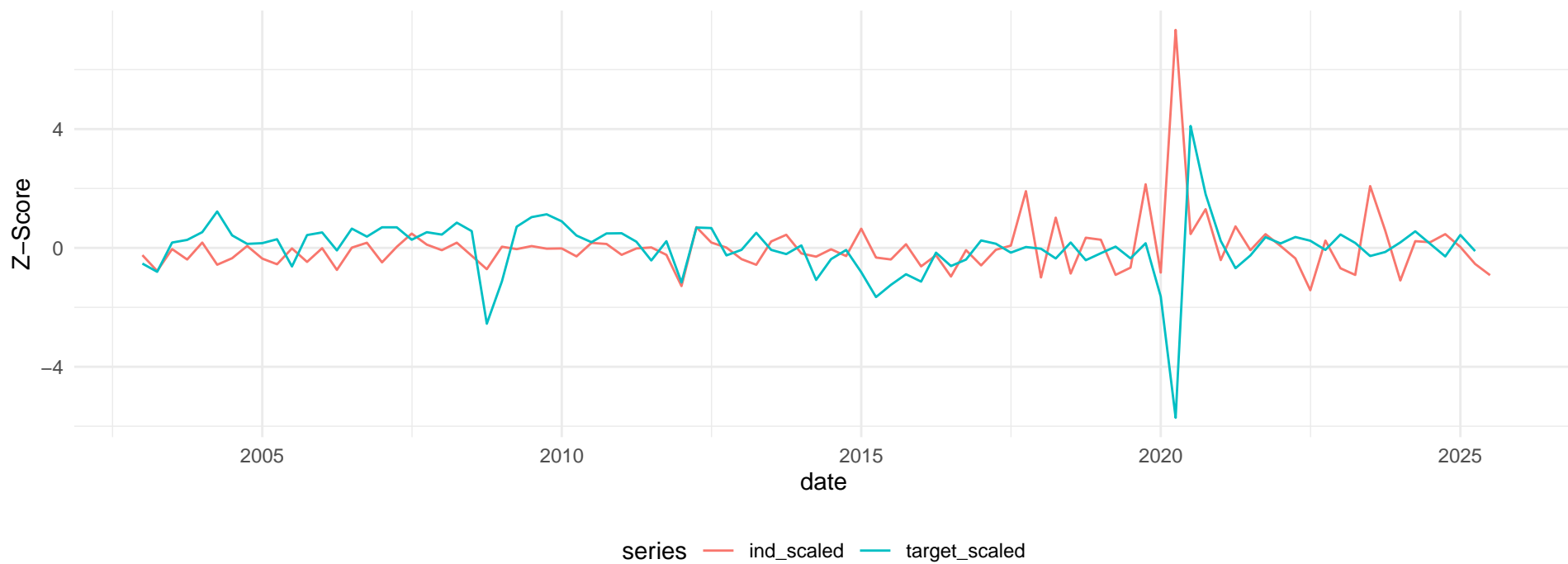
Corr: -0.38



Cross-Correlation (Quarterly Lags): DA\_IPCA\_MA

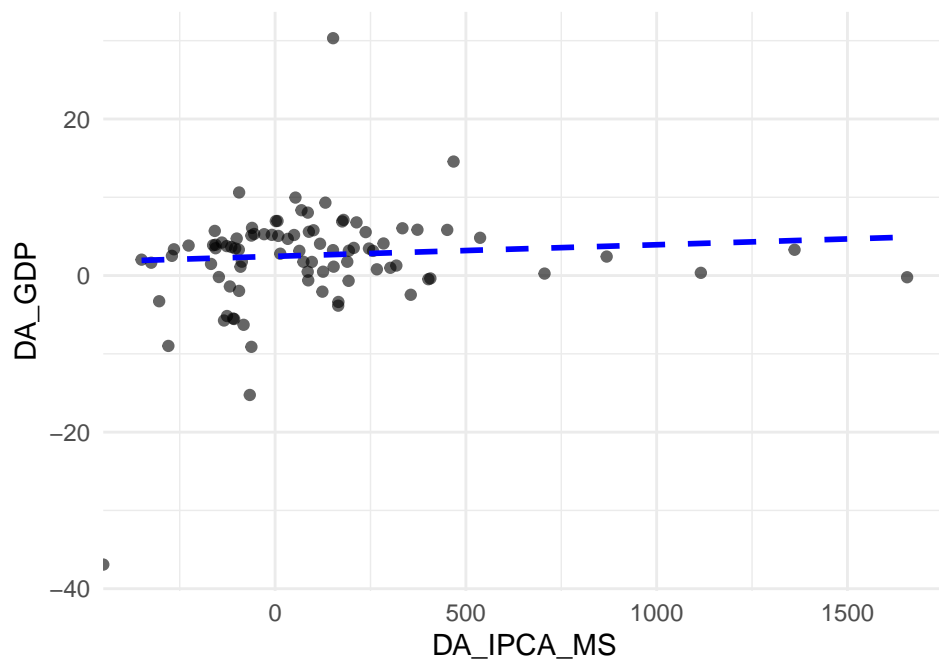


Standardized Time Series: DA\_IPCA\_MA

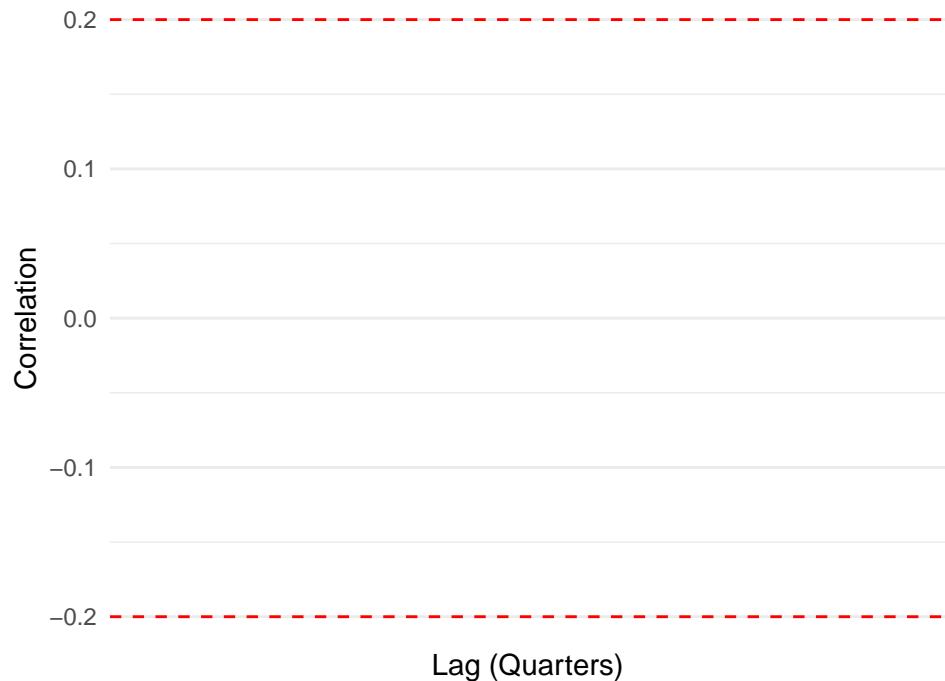


Scatter: DA\_IPCA\_MS vs Target

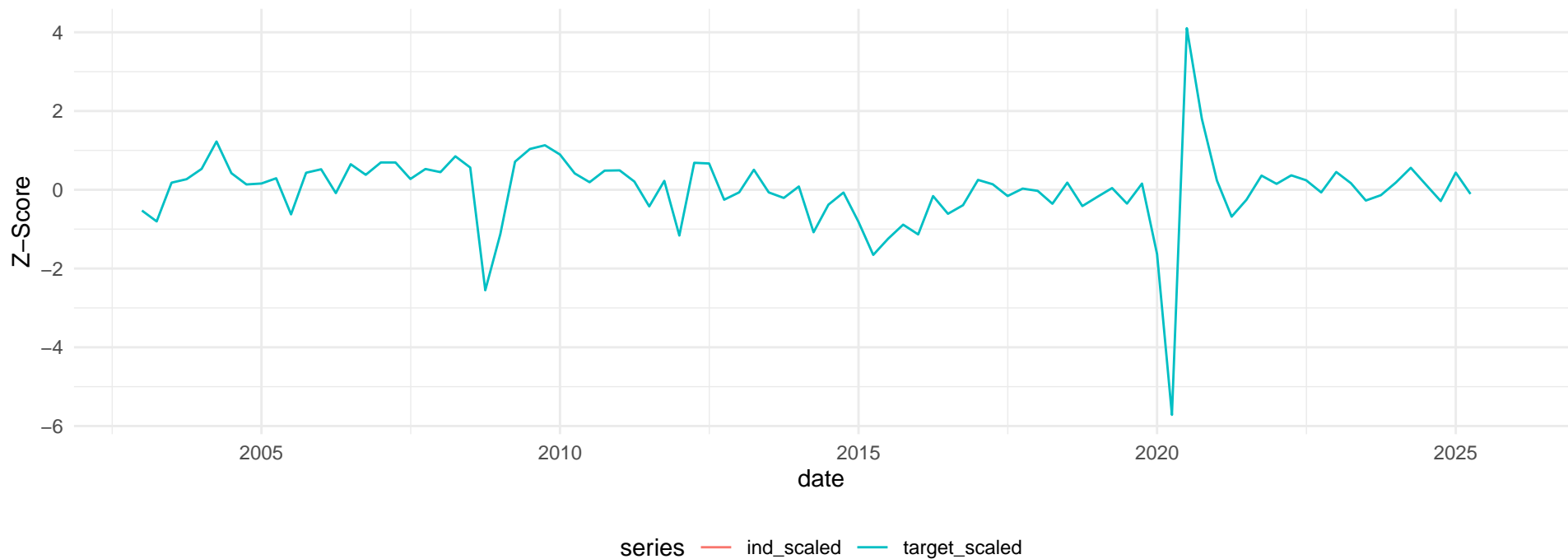
Corr: NaN



Cross-Correlation (Quarterly Lags): DA\_IPCA\_MS



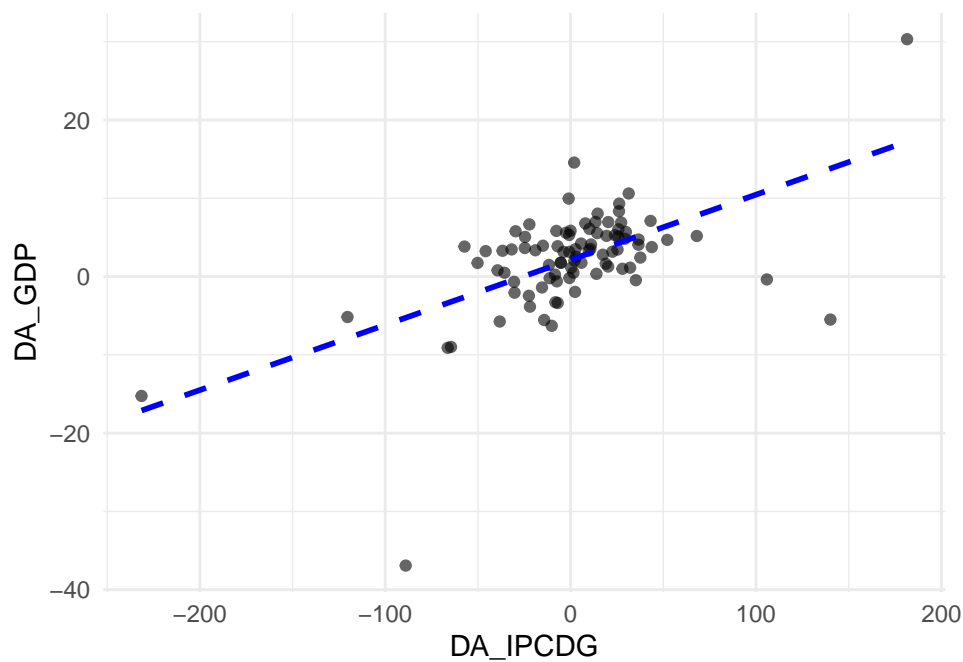
Standardized Time Series: DA\_IPCA\_MS



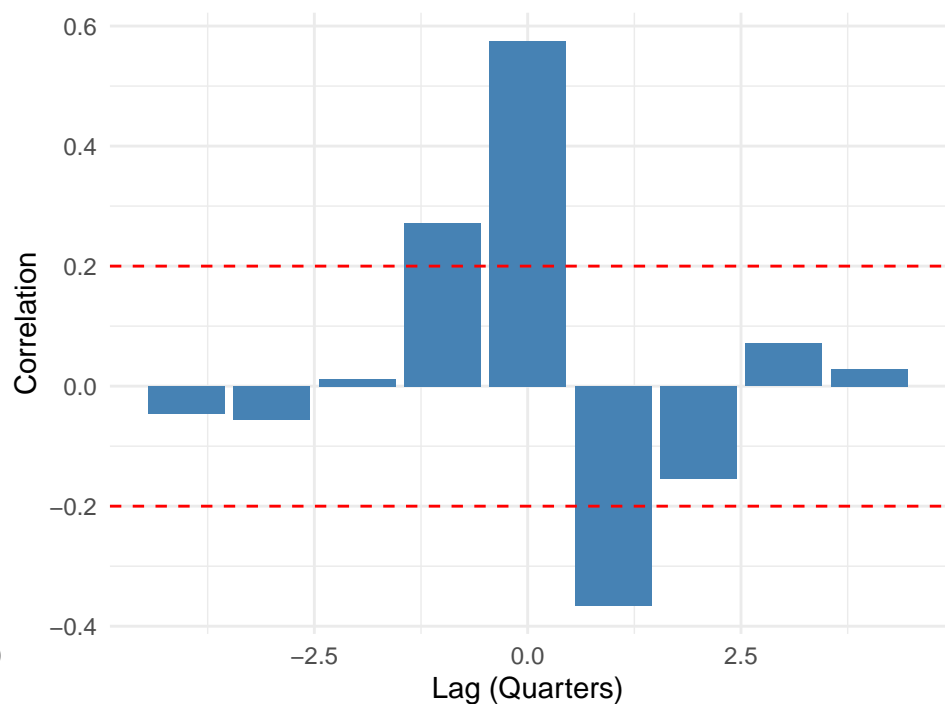


### Scatter: DA\_IPCDG vs Target

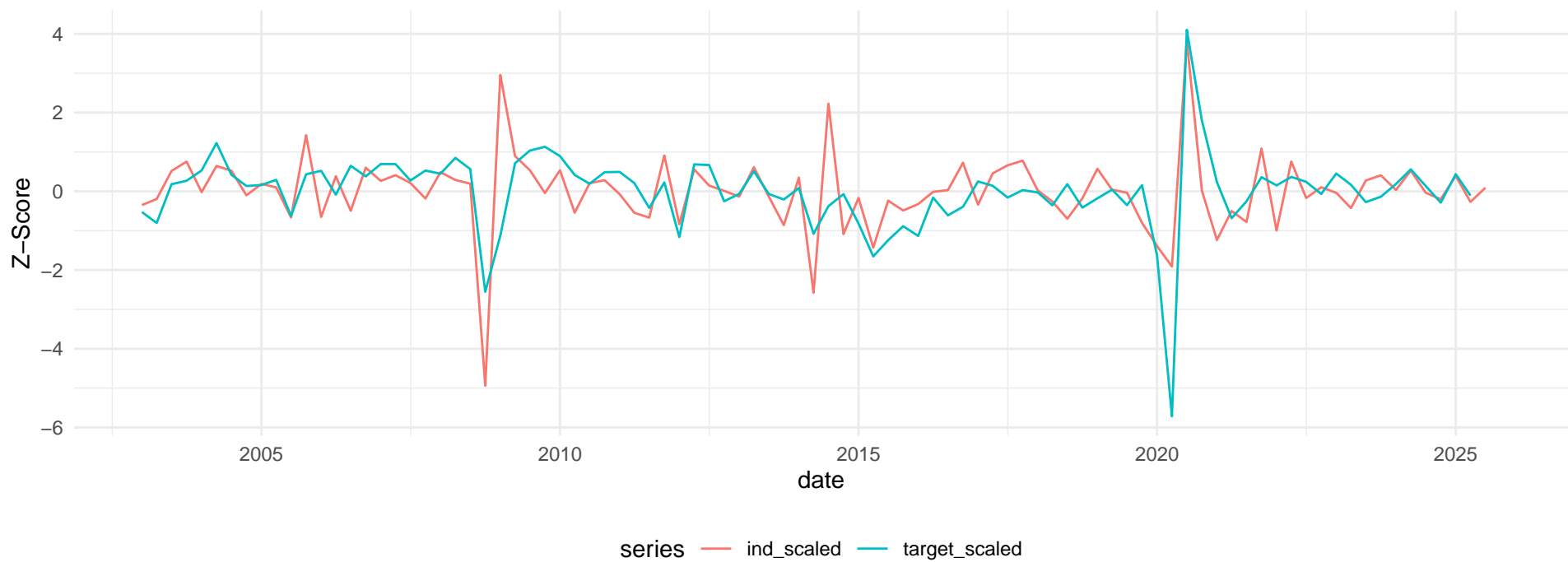
Corr: 0.58



### Cross-Correlation (Quarterly Lags): DA\_IPCDG

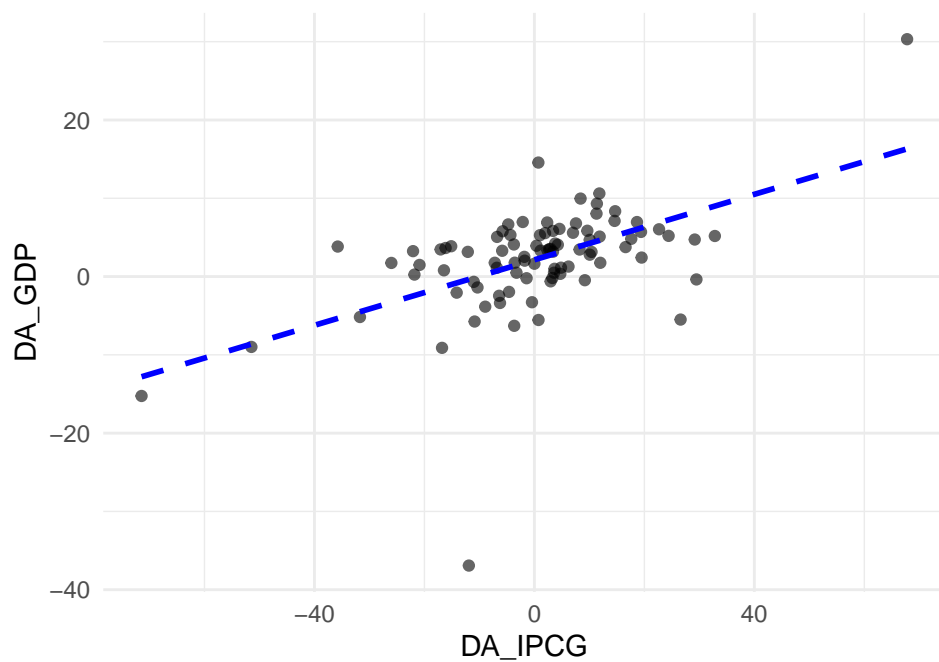


### Standardized Time Series: DA\_IPCDG

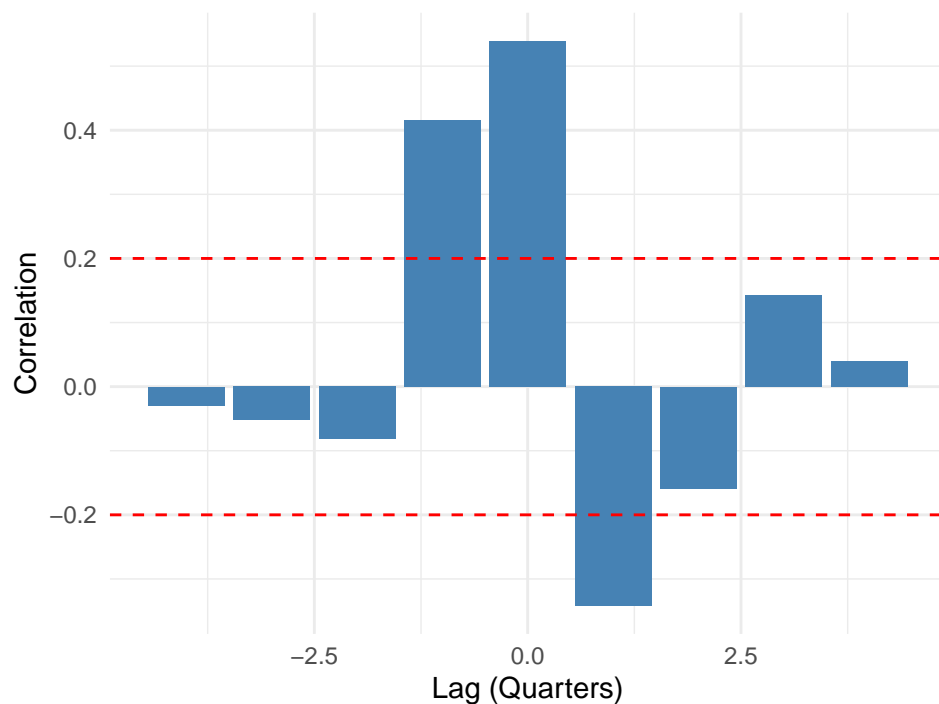


Scatter: DA\_IPCG vs Target

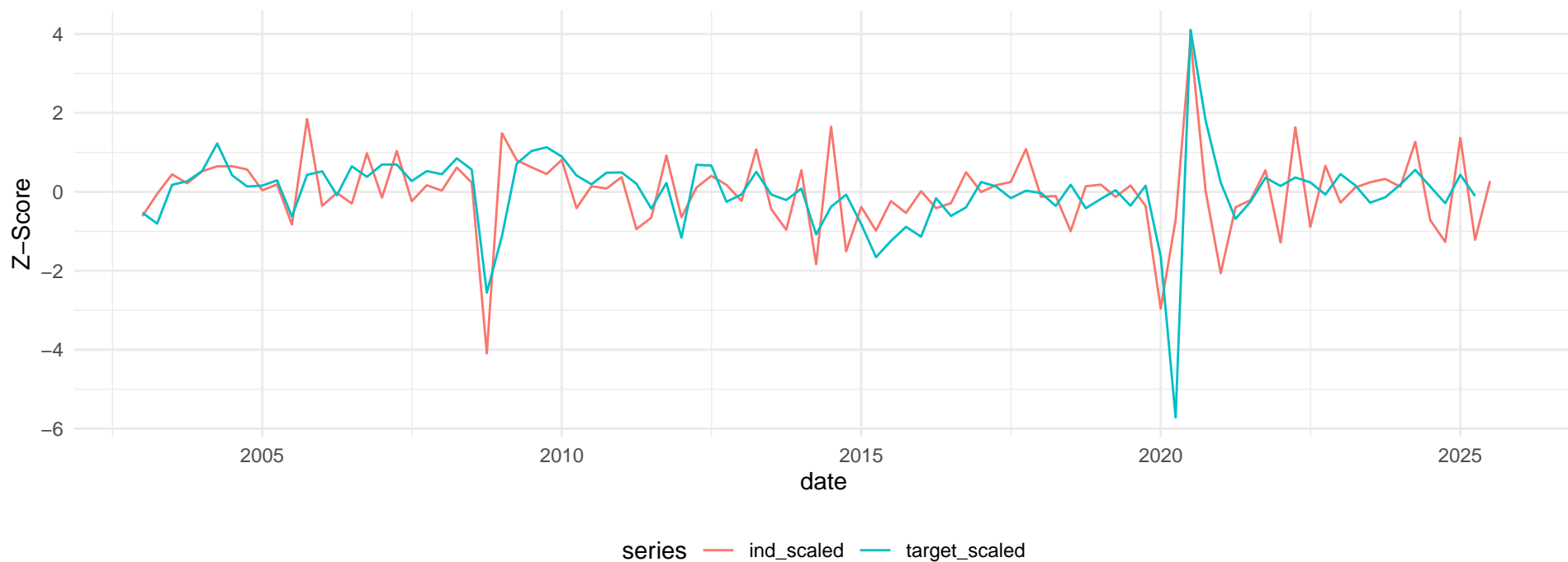
Corr: 0.54



Cross-Correlation (Quarterly Lags): DA\_IPCG

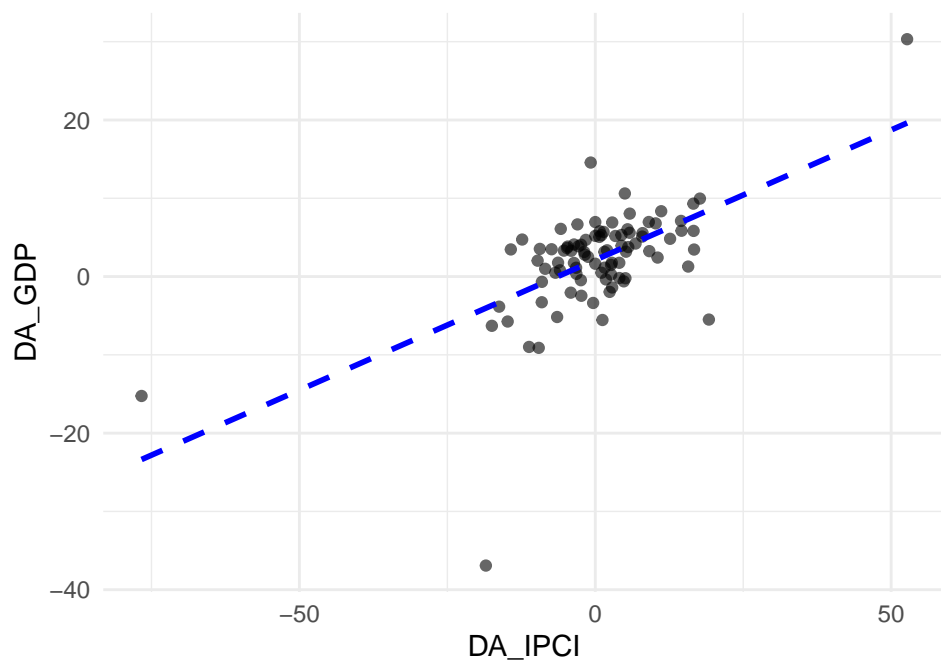


Standardized Time Series: DA\_IPCG

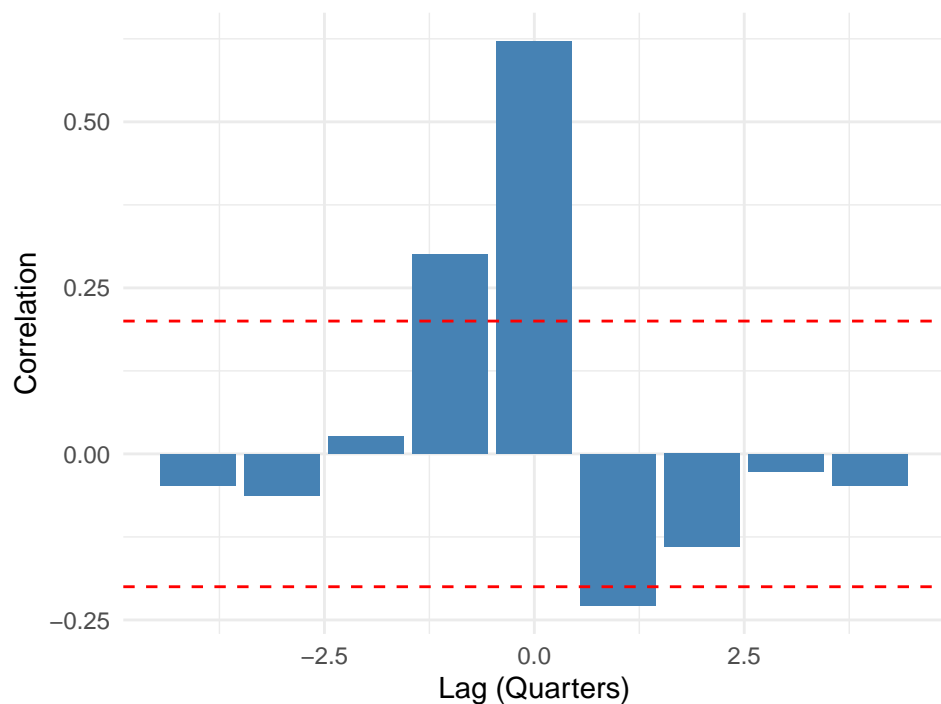


### Scatter: DA\_IPCI vs Target

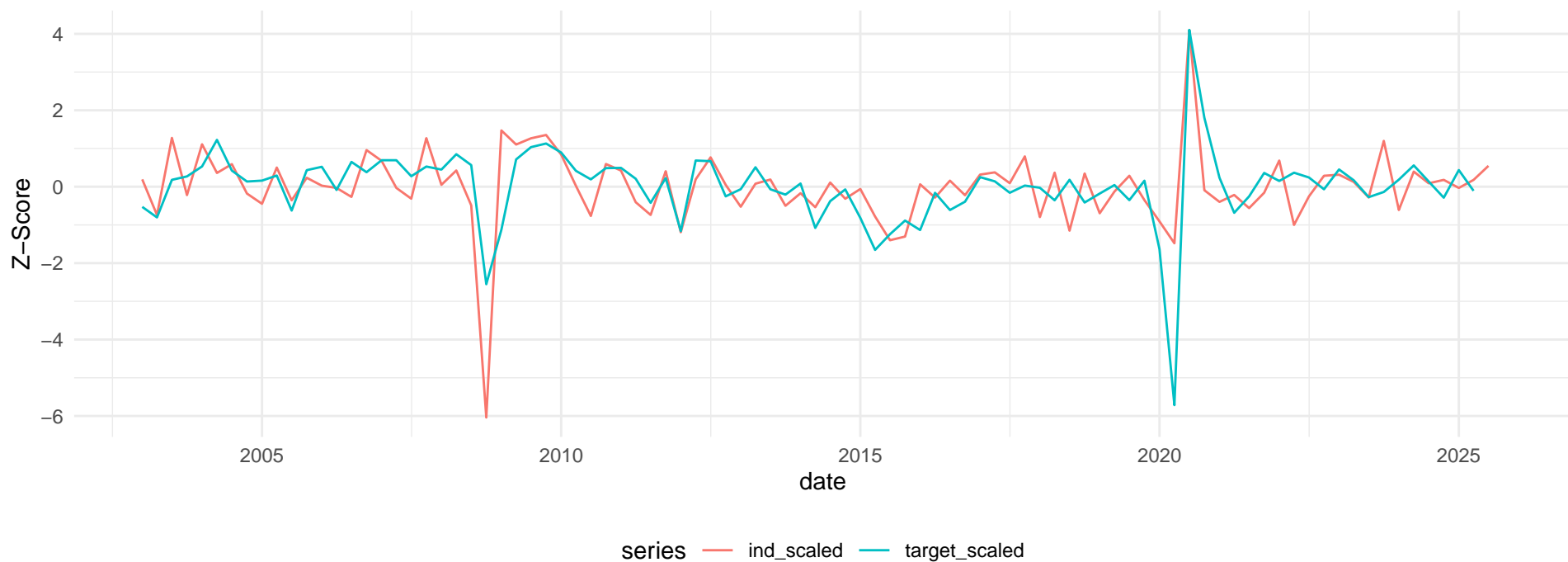
Corr: 0.62



### Cross-Correlation (Quarterly Lags): DA\_IPCI

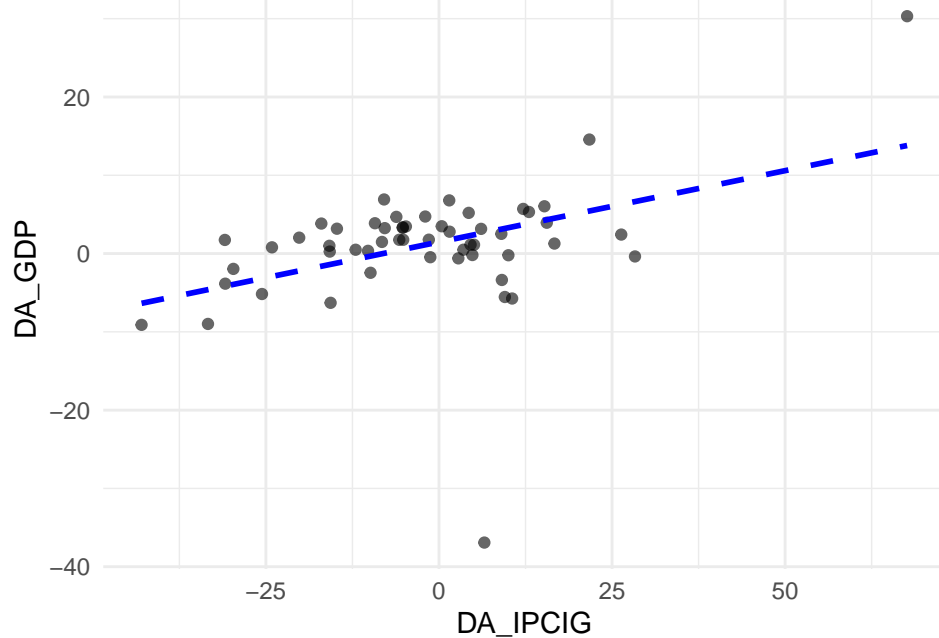


### Standardized Time Series: DA\_IPCI

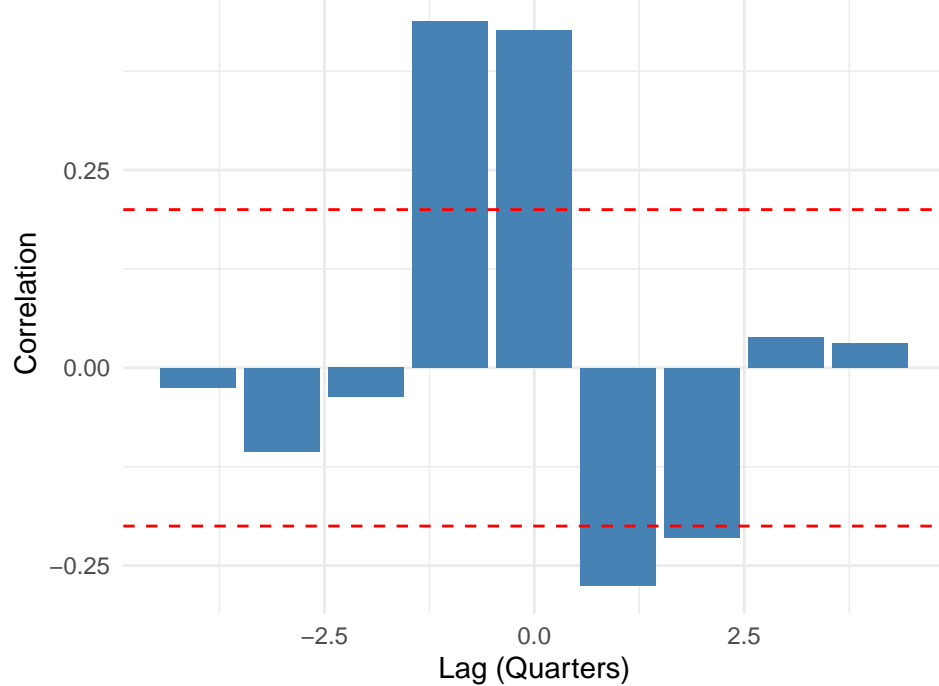


Scatter: DA\_IPCIG vs Target

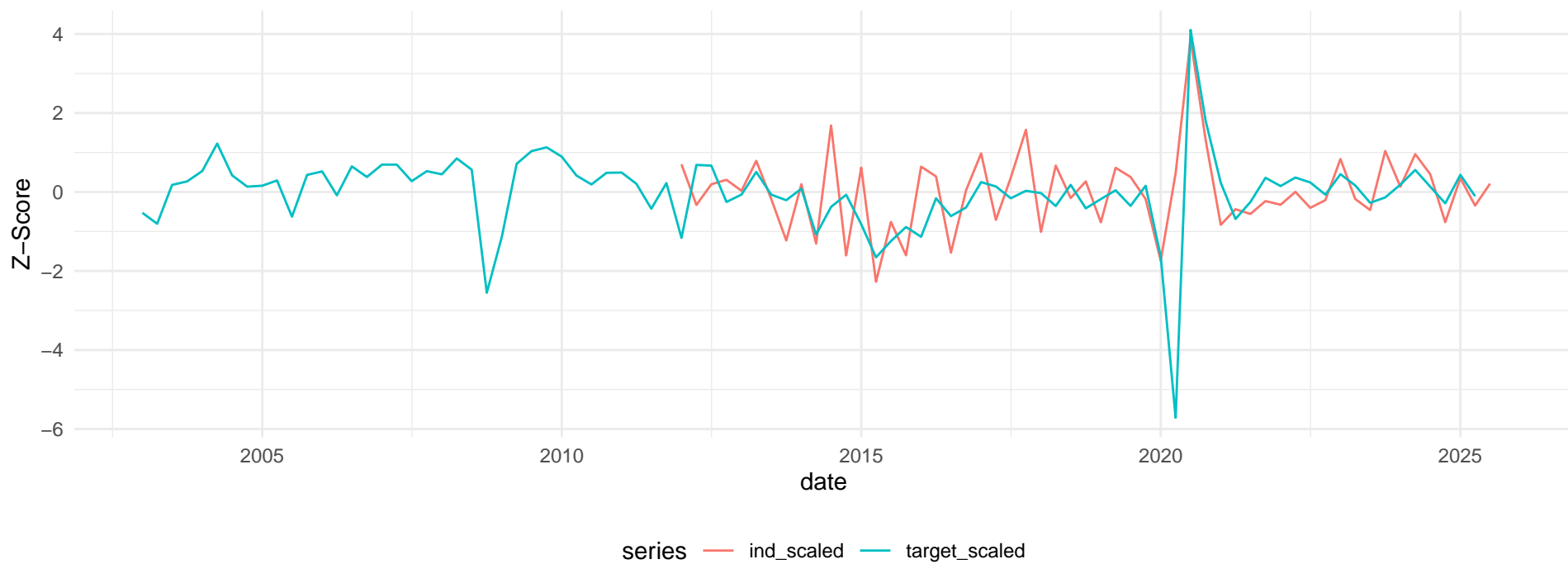
Corr: 0.43



Cross-Correlation (Quarterly Lags): DA\_IPCIG

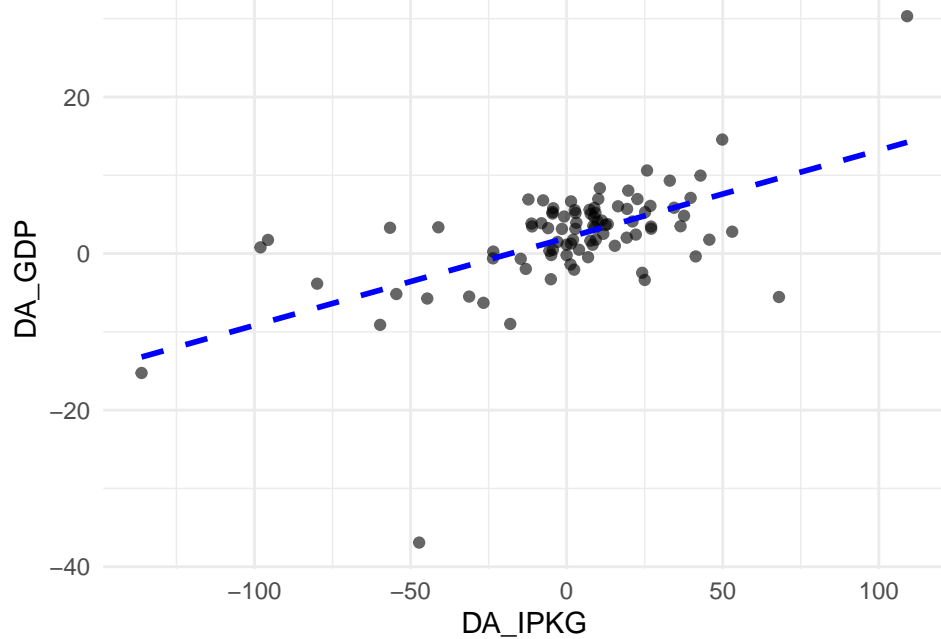


Standardized Time Series: DA\_IPCIG

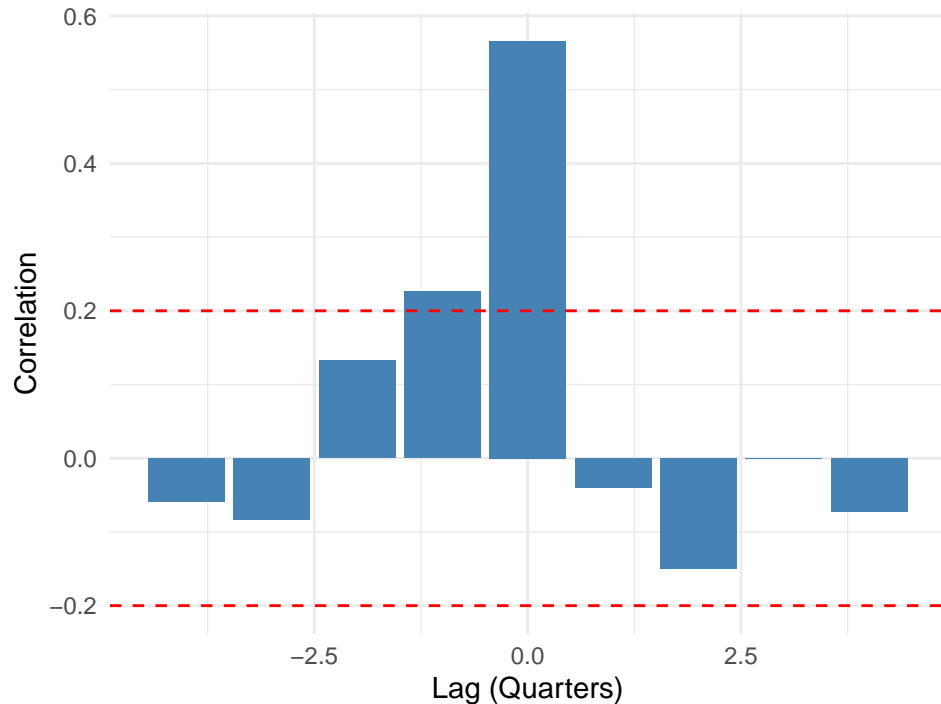


### Scatter: DA\_IPKG vs Target

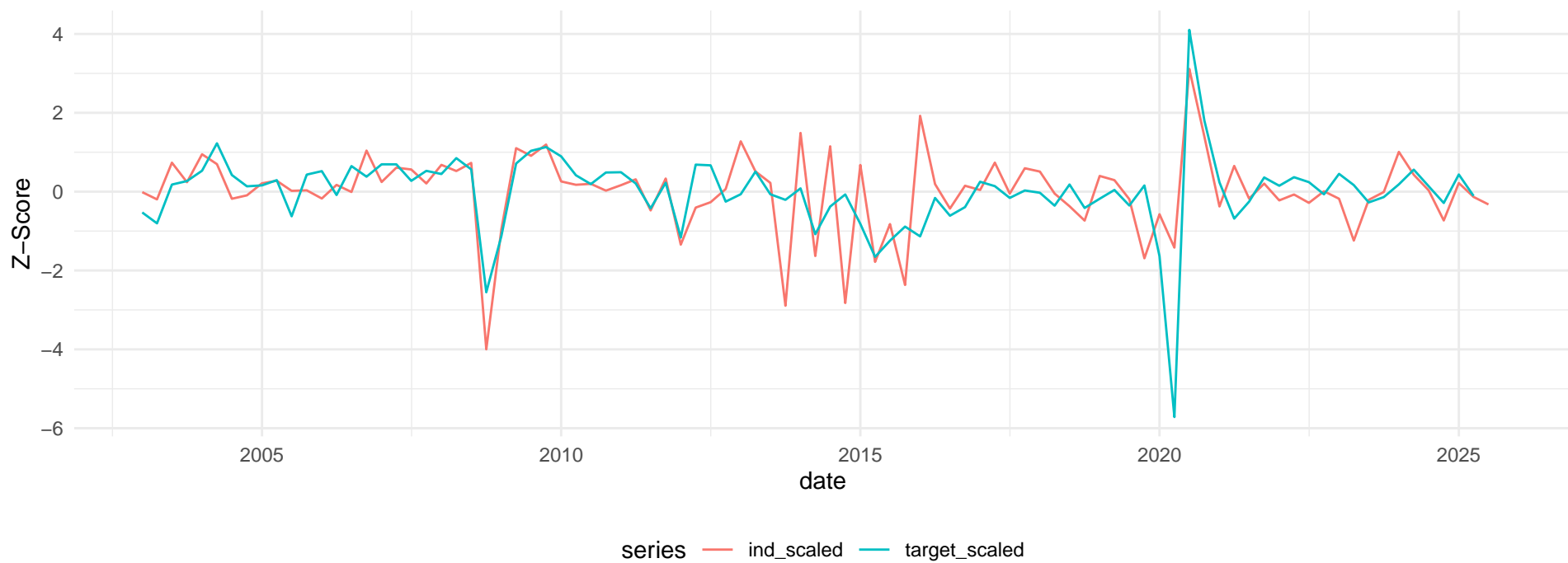
Corr: 0.57



### Cross-Correlation (Quarterly Lags): DA\_IPKG

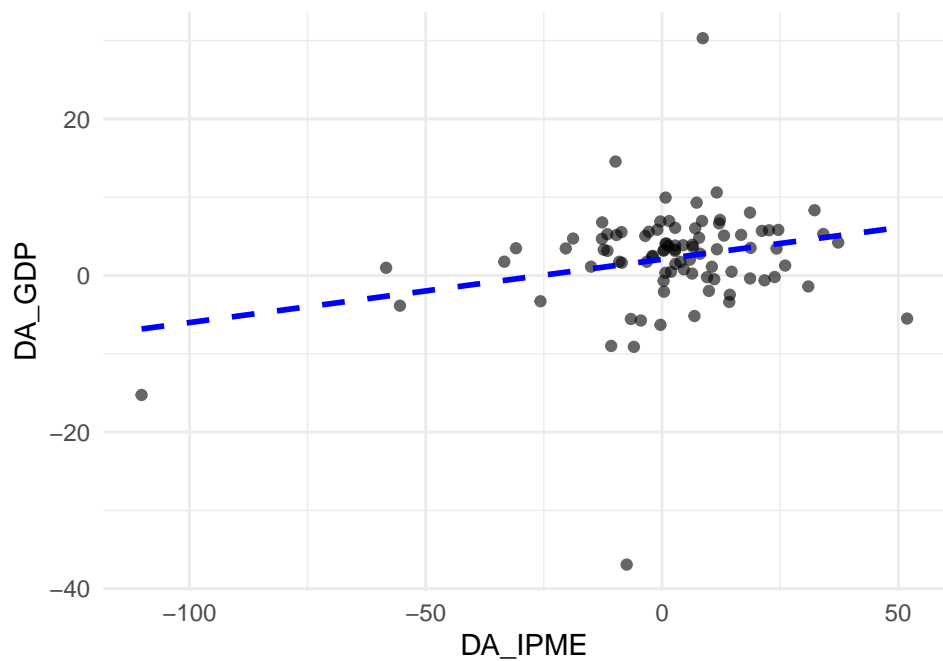


### Standardized Time Series: DA\_IPKG

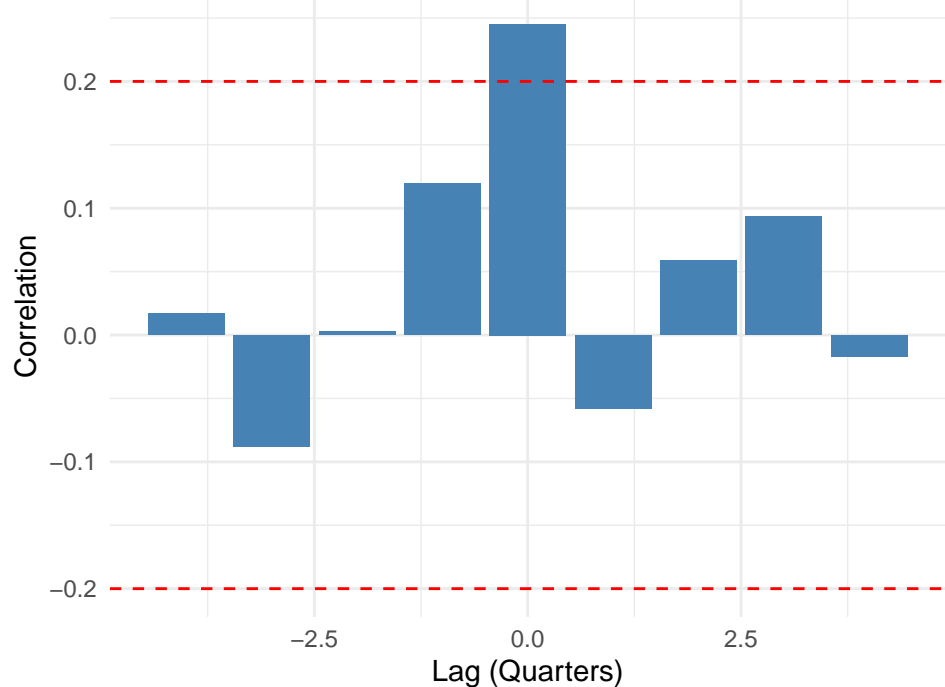


Scatter: DA\_IPME vs Target

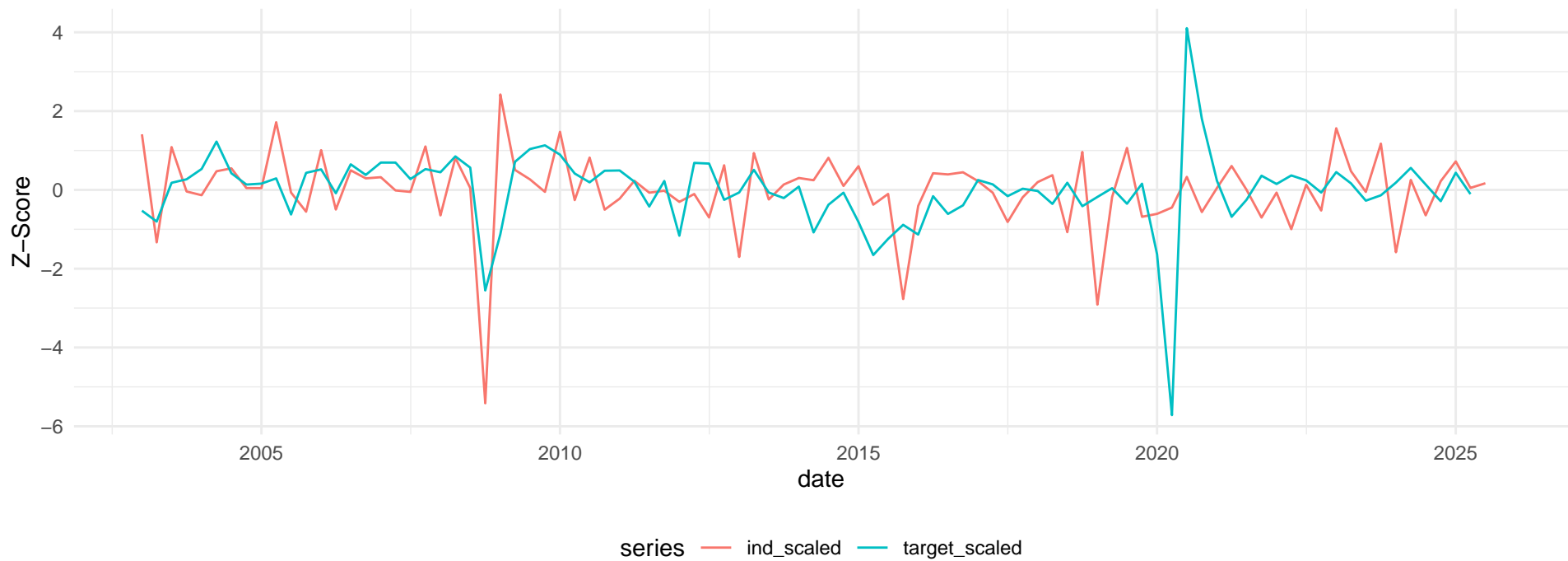
Corr: 0.25



Cross-Correlation (Quarterly Lags): DA\_IPME

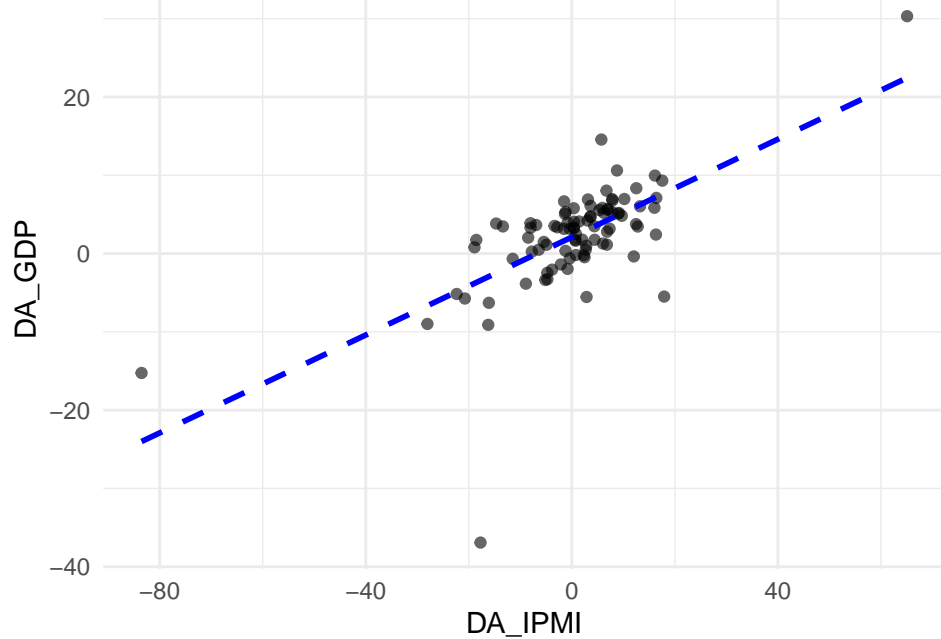


Standardized Time Series: DA\_IPME

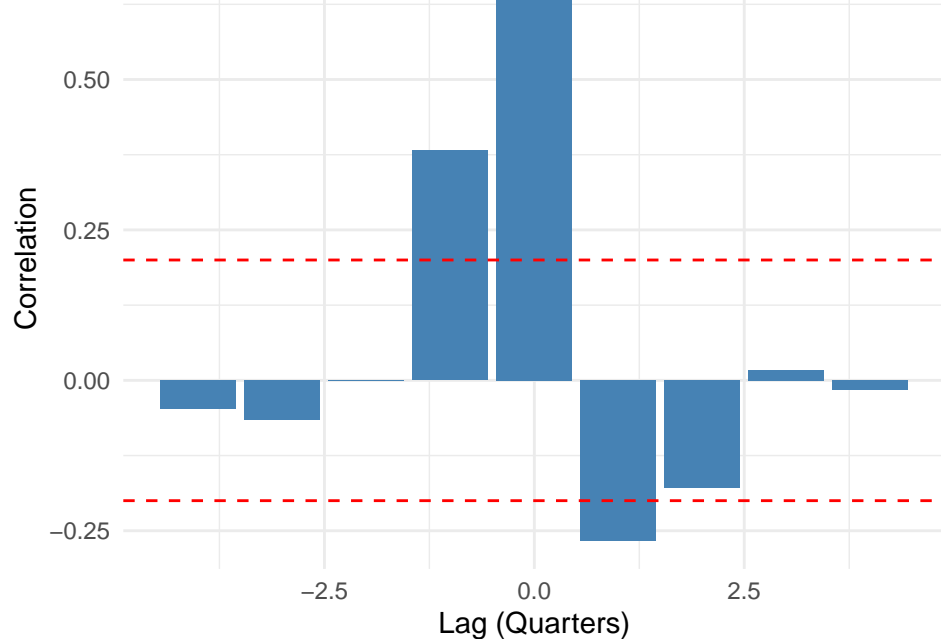


Scatter: DA\_IPMI vs Target

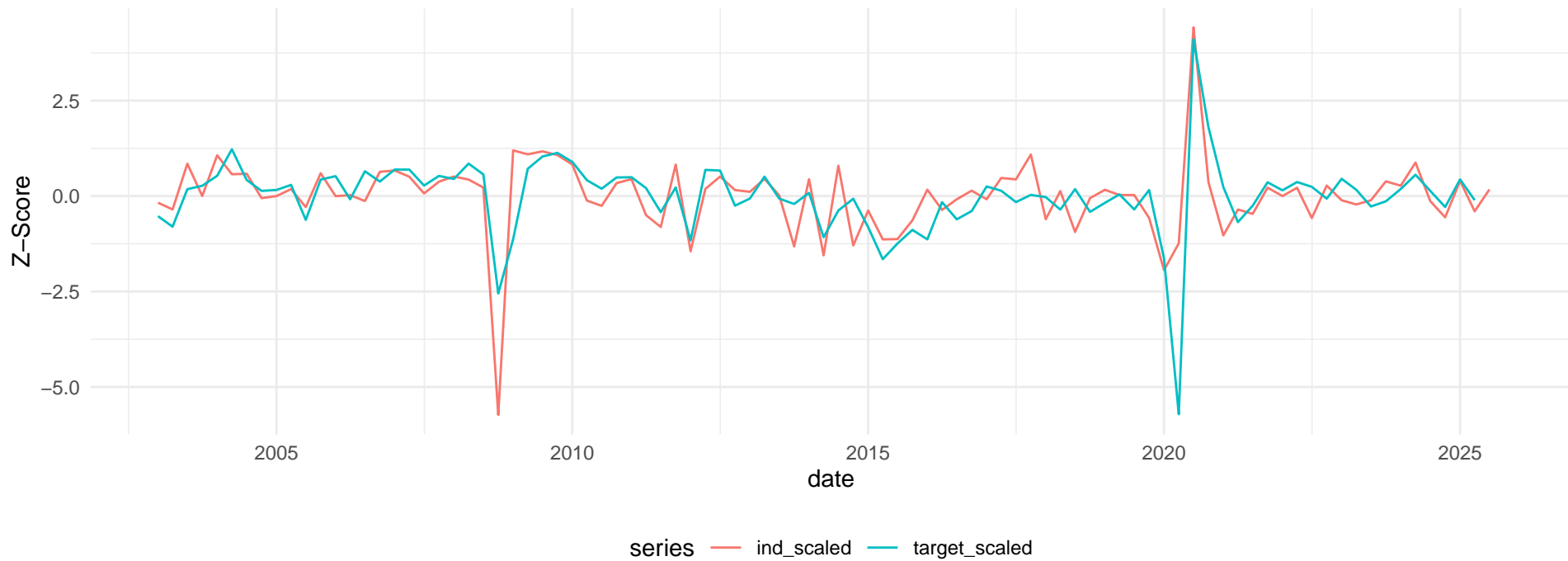
Corr: 0.67



Cross-Correlation (Quarterly Lags): DA\_IPMI

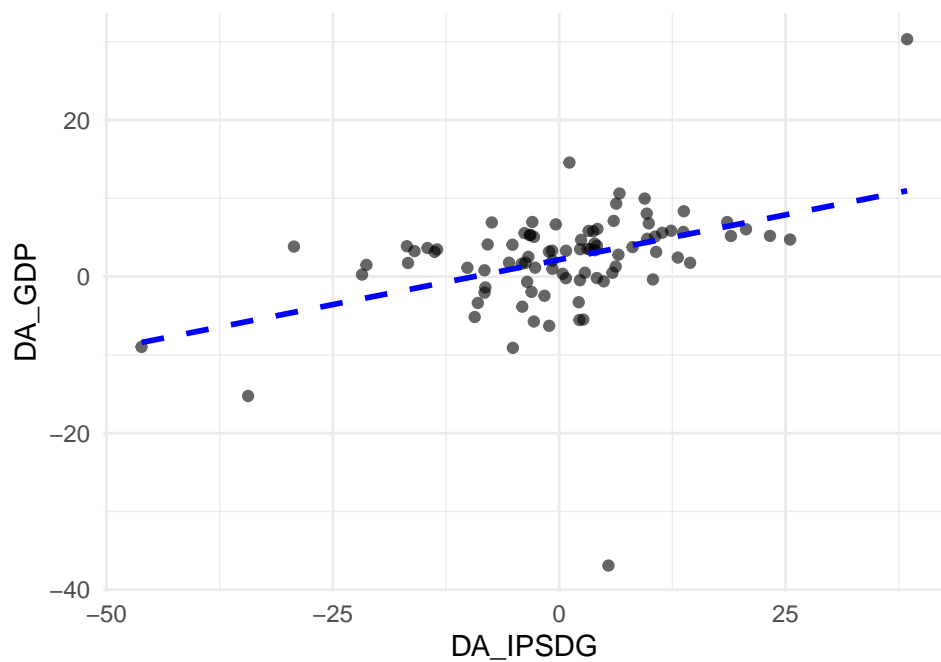


Standardized Time Series: DA\_IPMI

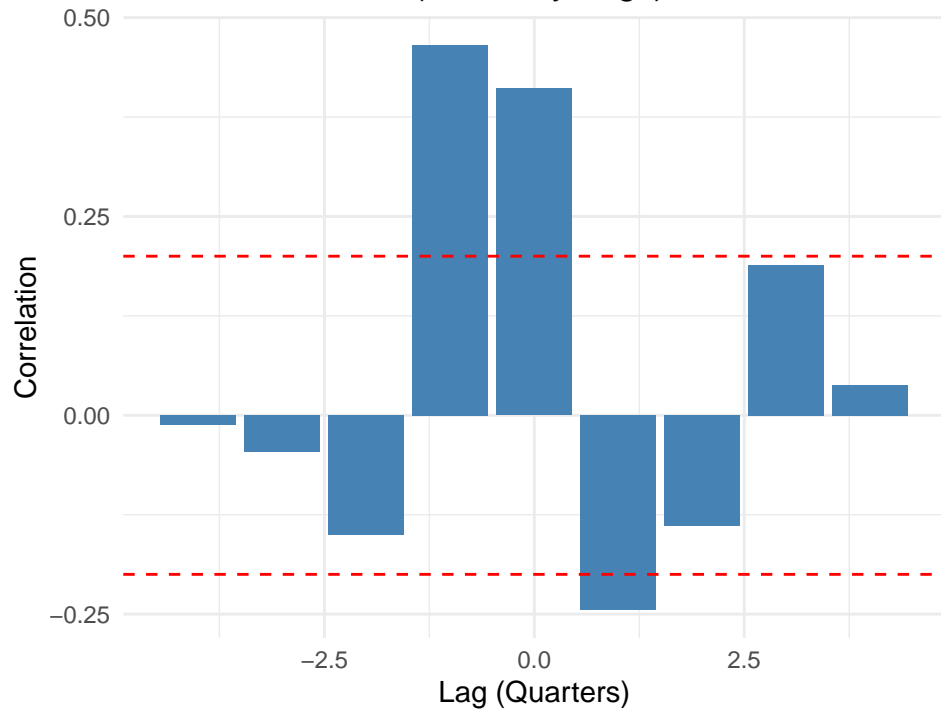


### Scatter: DA\_IPSDG vs Target

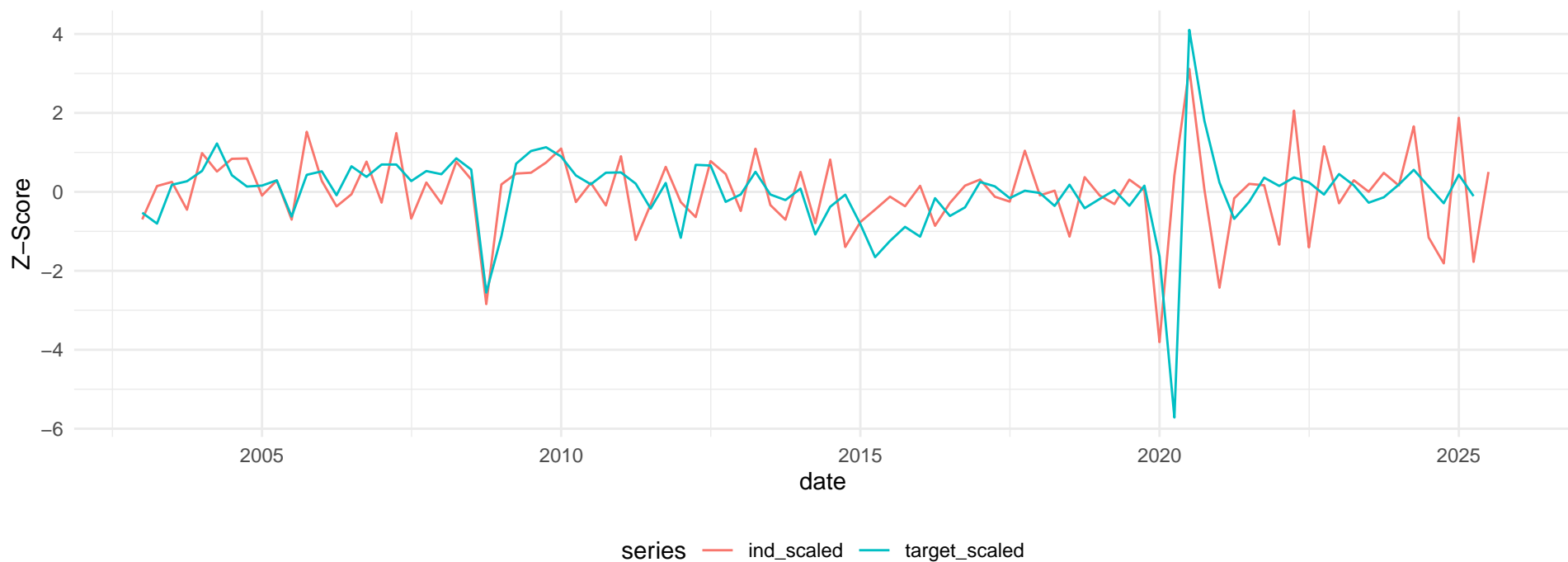
Corr: 0.41



### Cross-Correlation (Quarterly Lags): DA\_IPSDG



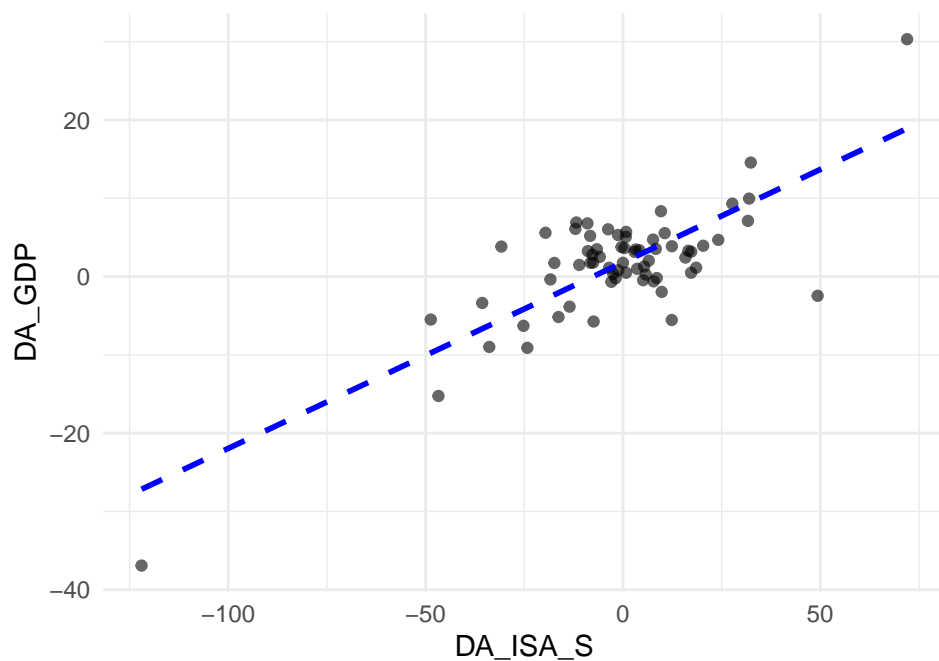
### Standardized Time Series: DA\_IPSDG



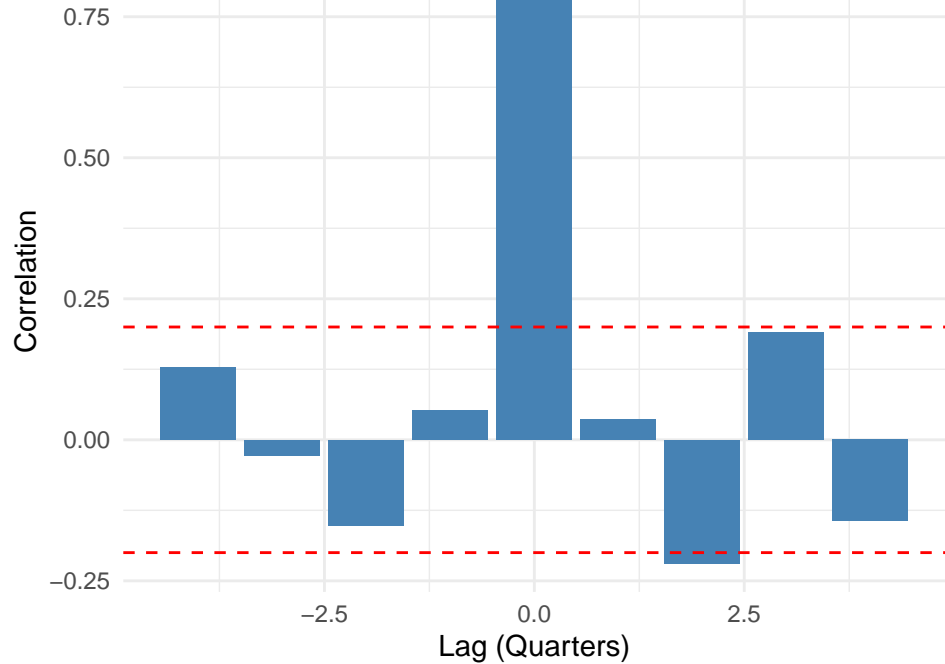


### Scatter: DA\_ISA\_S vs Target

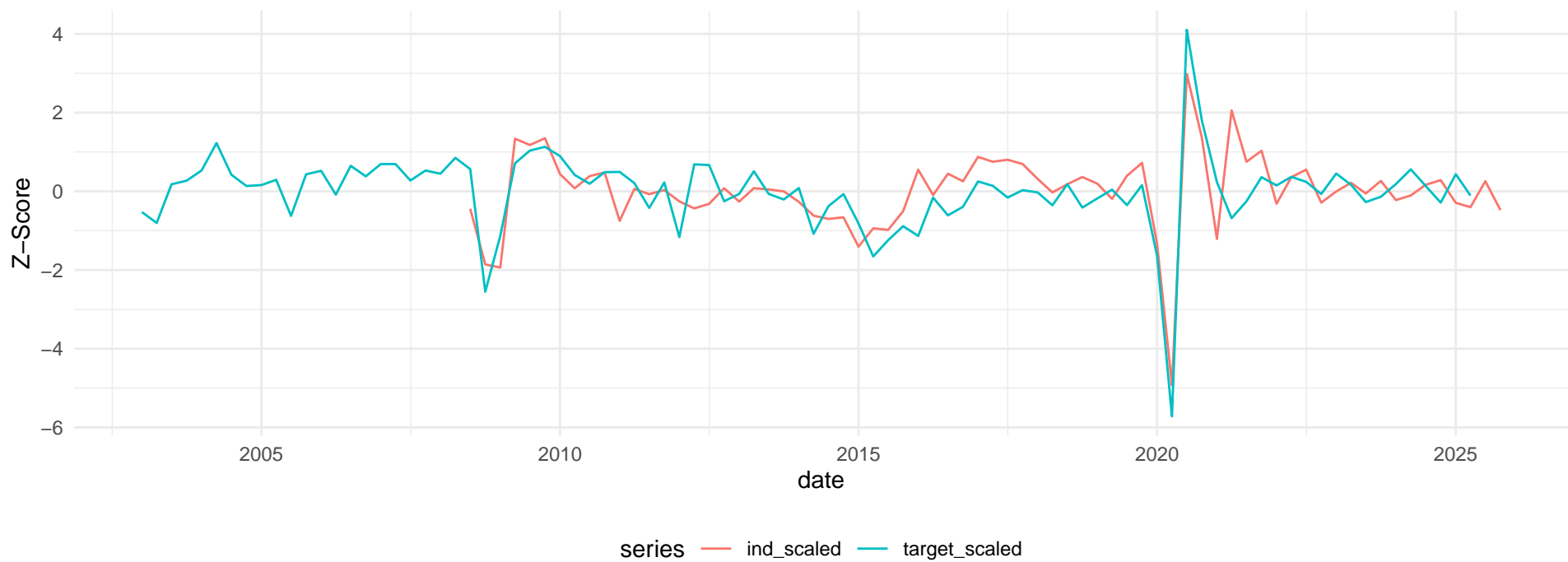
Corr: 0.78



### Cross-Correlation (Quarterly Lags): DA\_ISA\_S

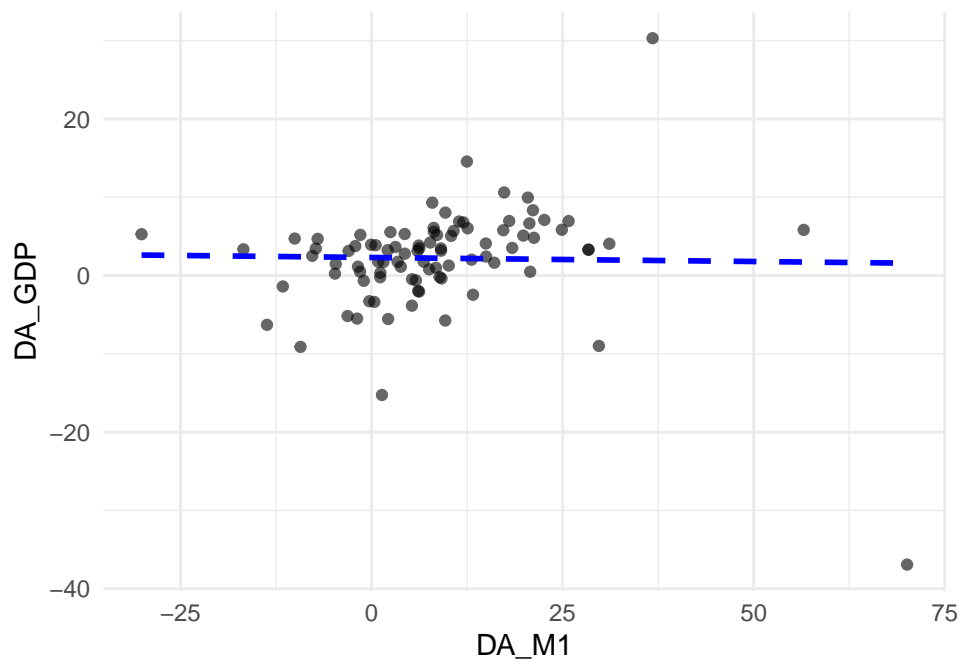


### Standardized Time Series: DA\_ISA\_S

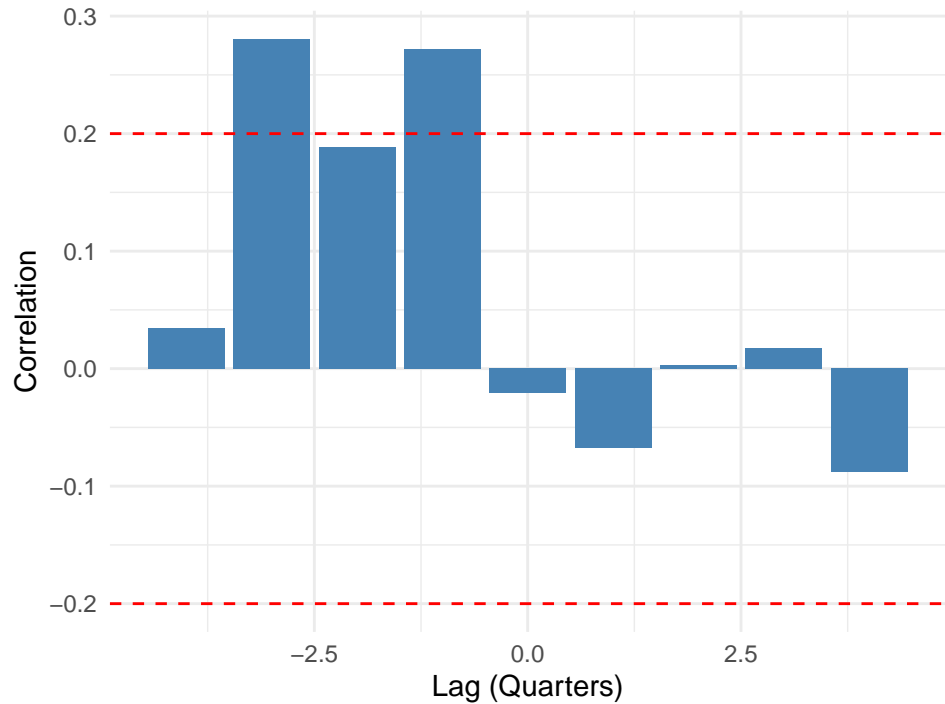


Scatter: DA\_M1 vs Target

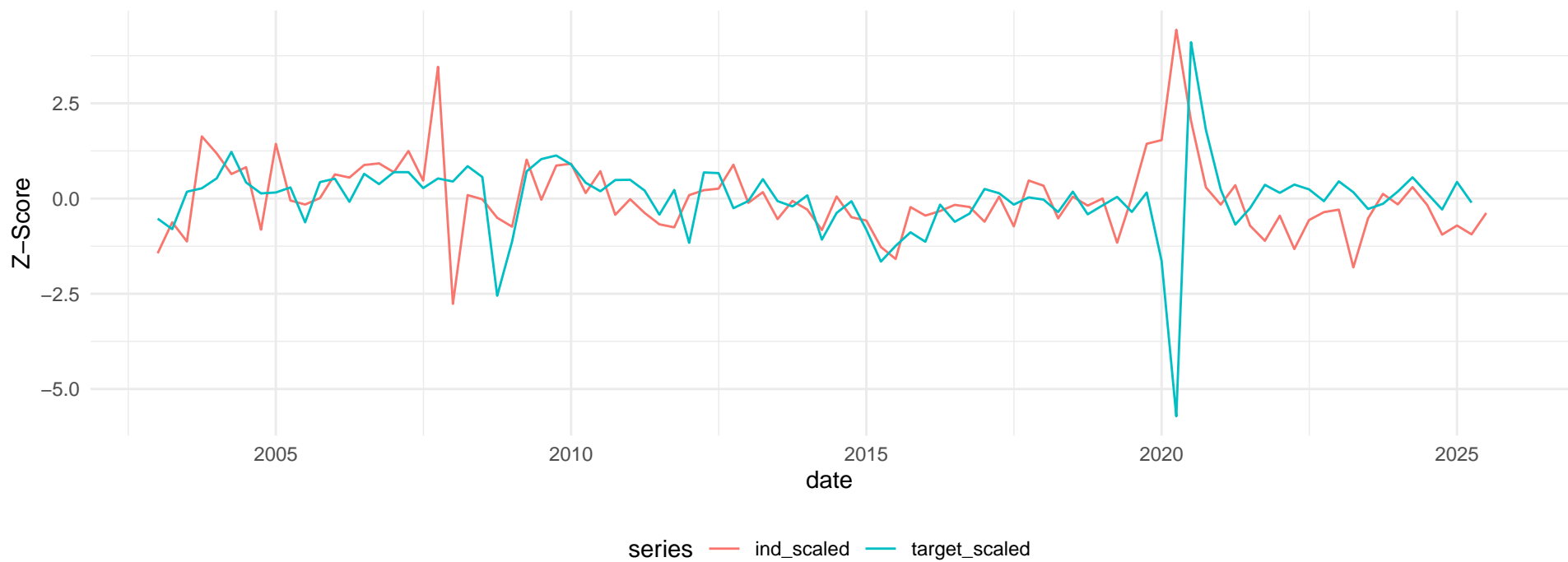
Corr: -0.02



Cross-Correlation (Quarterly Lags): DA\_M1

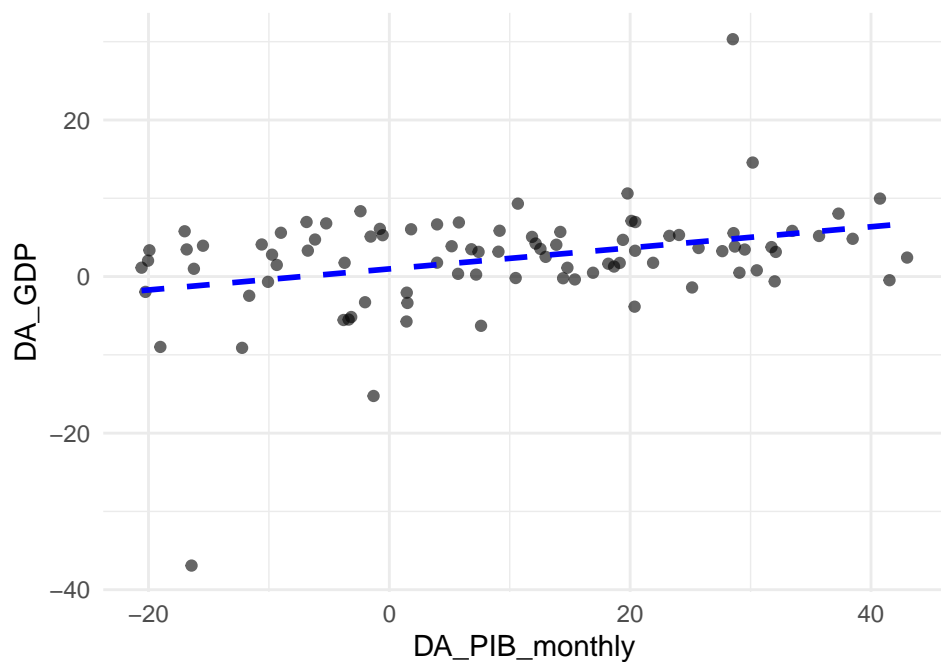


Standardized Time Series: DA\_M1

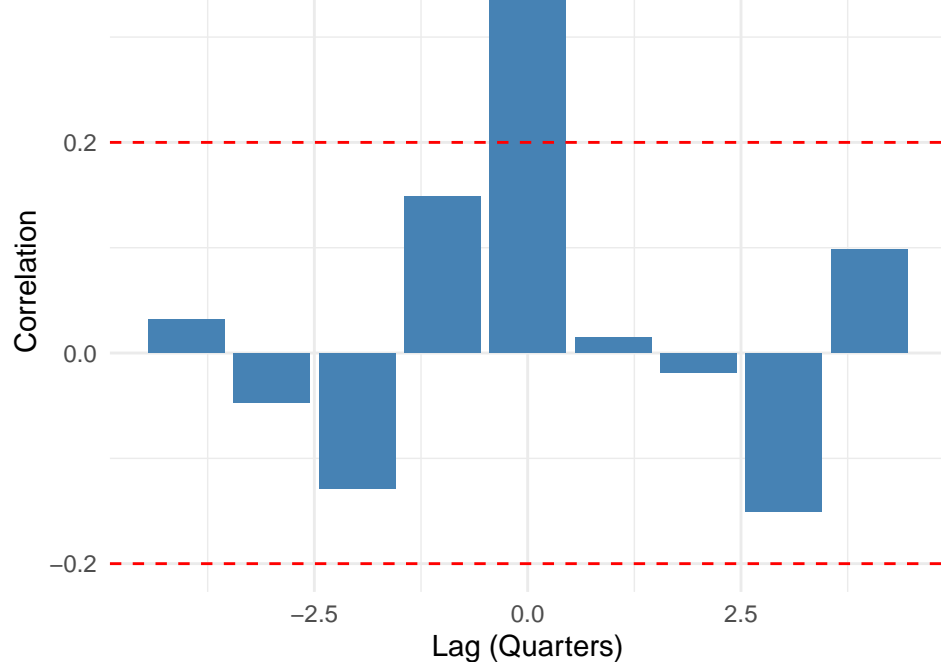


Scatter: DA\_PIB\_monthly vs Target

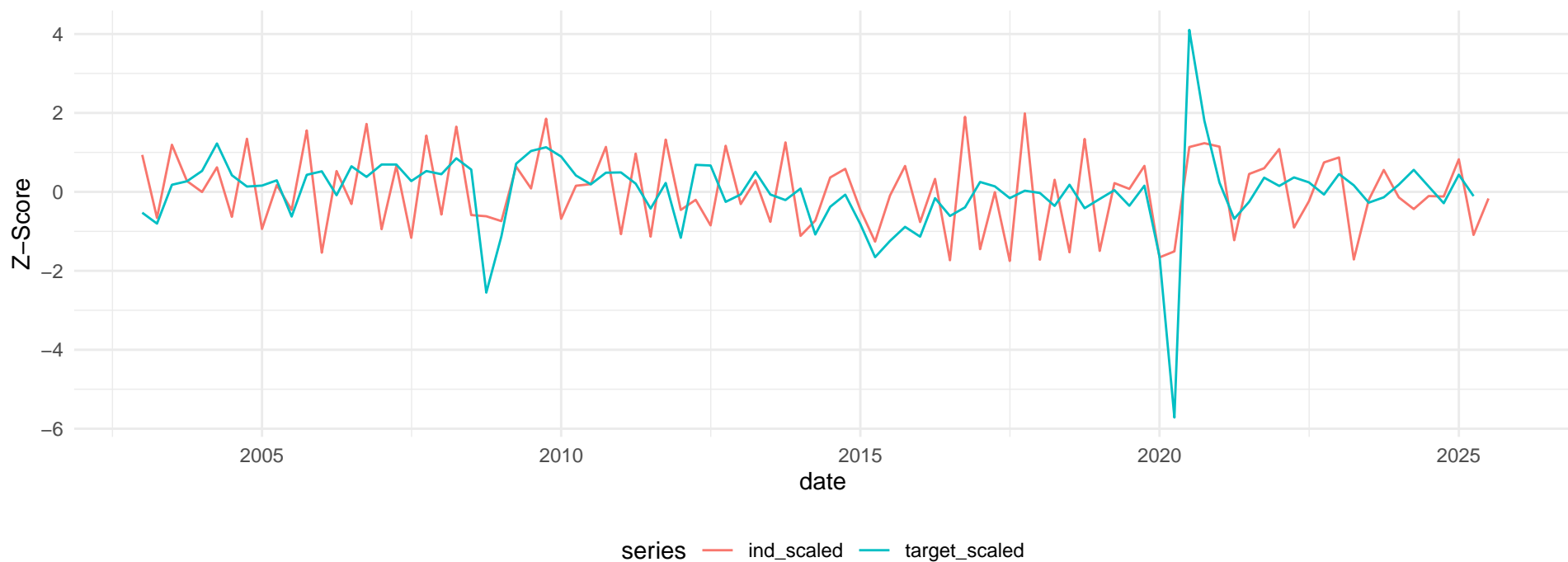
Corr: 0.34



Cross-Correlation (Quarterly Lags): DA\_PIB\_monthly

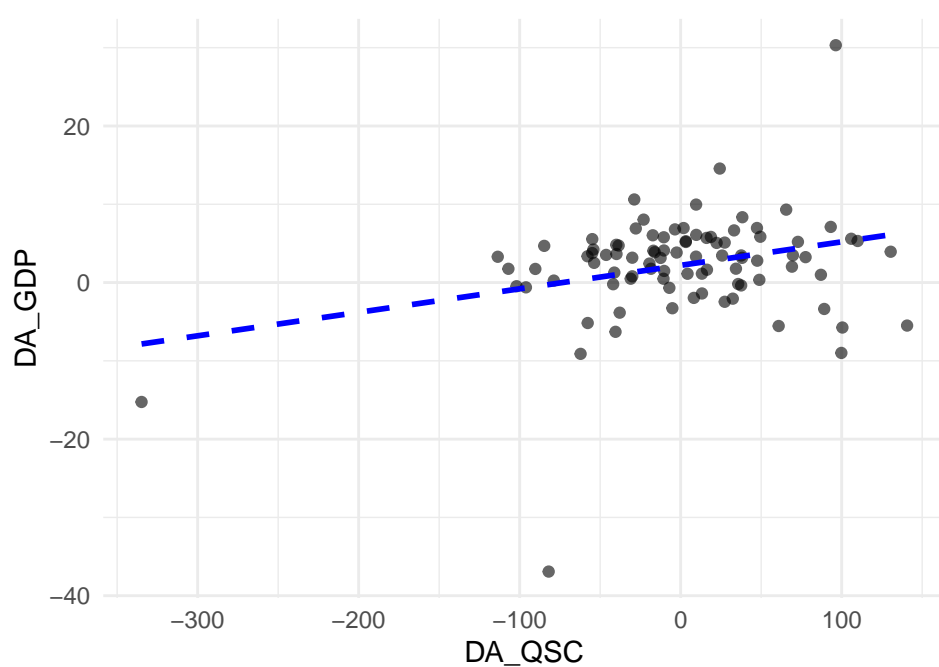


Standardized Time Series: DA\_PIB\_monthly

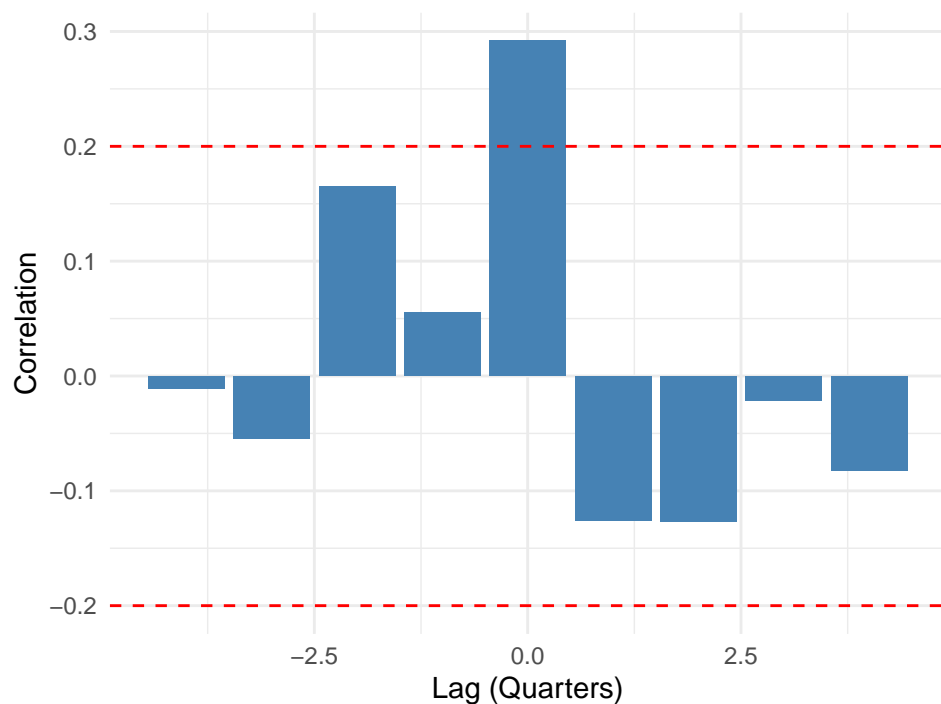


### Scatter: DA\_QSC vs Target

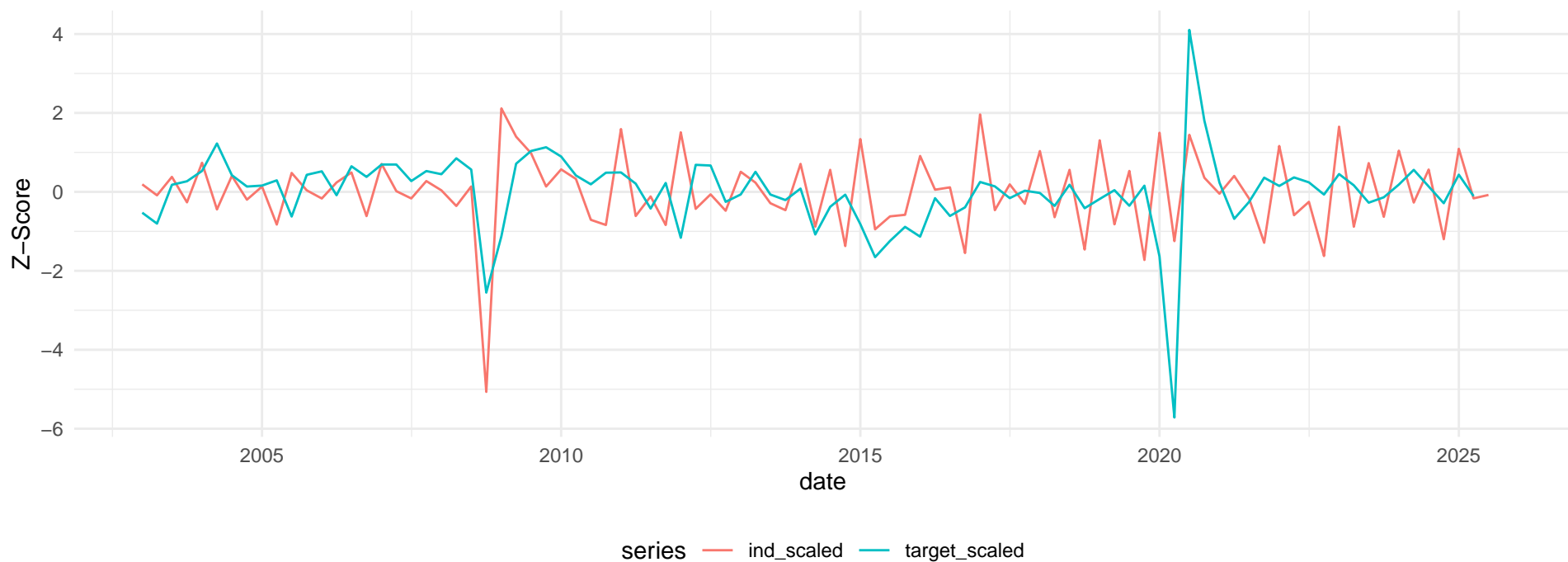
Corr: 0.29



### Cross-Correlation (Quarterly Lags): DA\_QSC

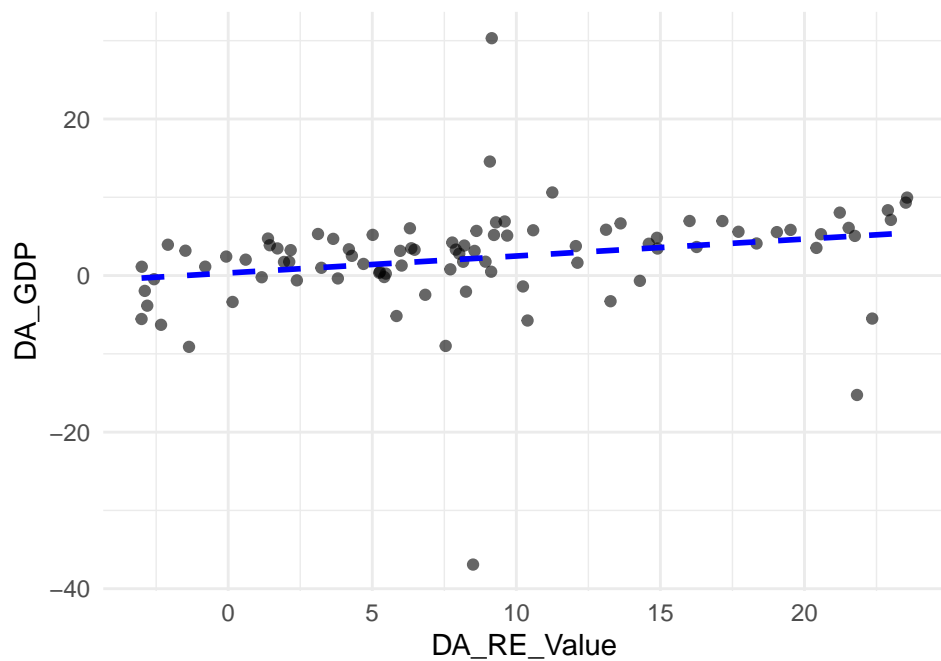


### Standardized Time Series: DA\_QSC

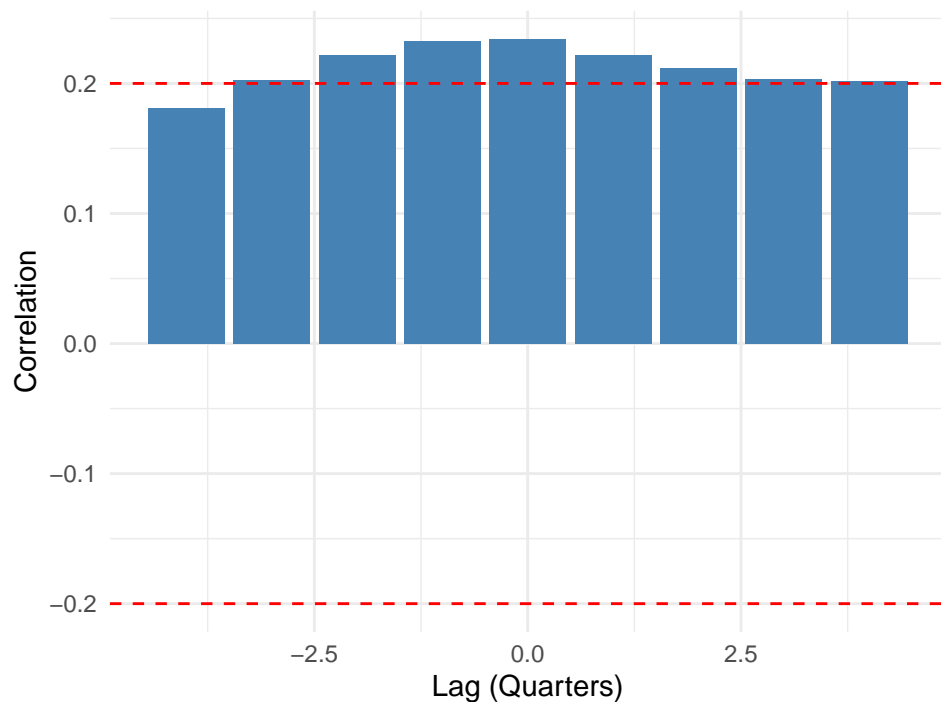


### Scatter: DA\_RE\_Value vs Target

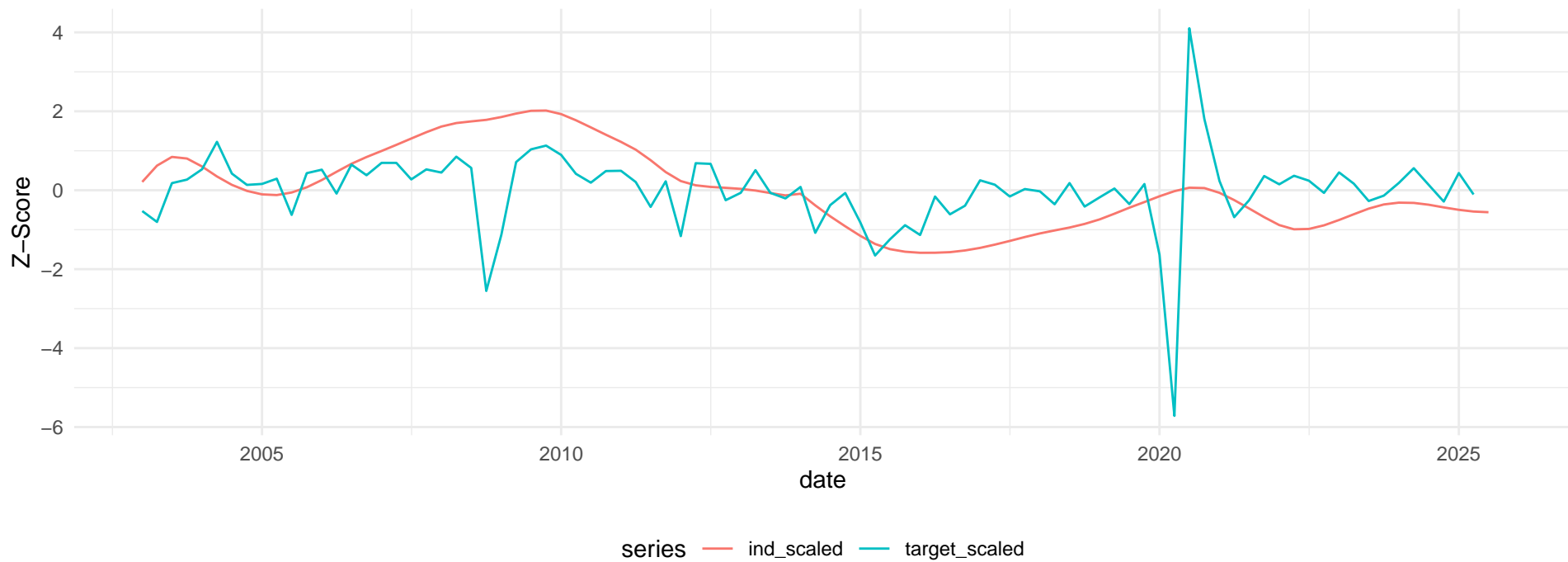
Corr: 0.23



### Cross-Correlation (Quarterly Lags): DA\_RE\_Value

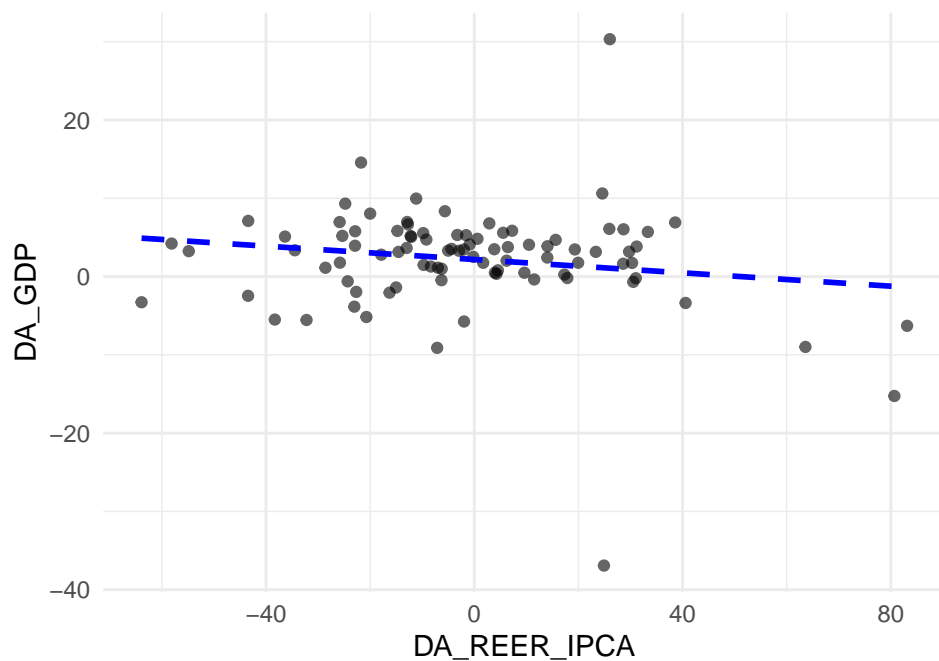


### Standardized Time Series: DA\_RE\_Value

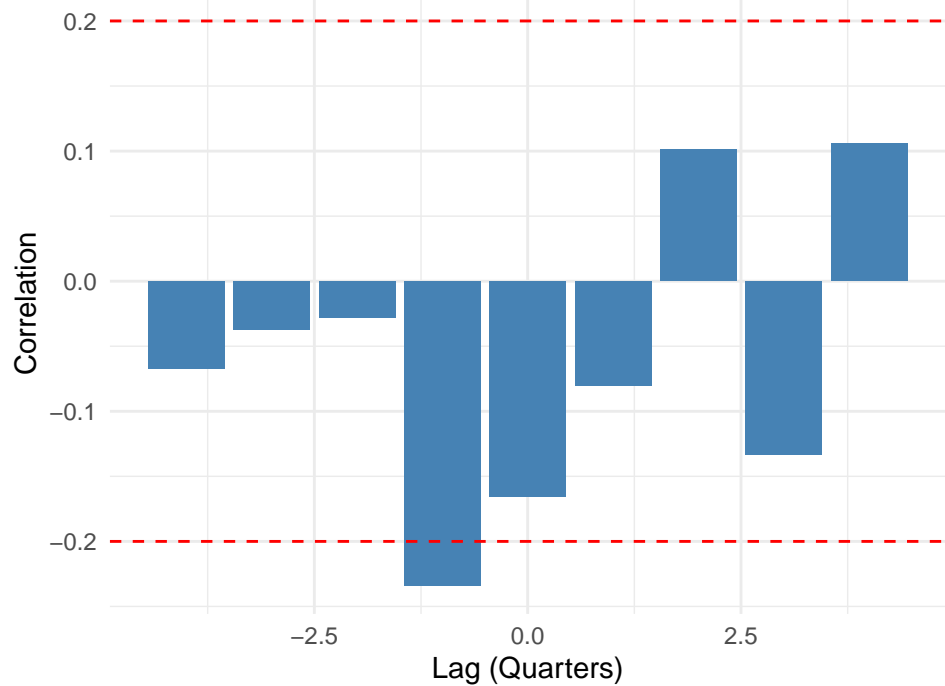


Scatter: DA\_REER\_IPCA vs Target

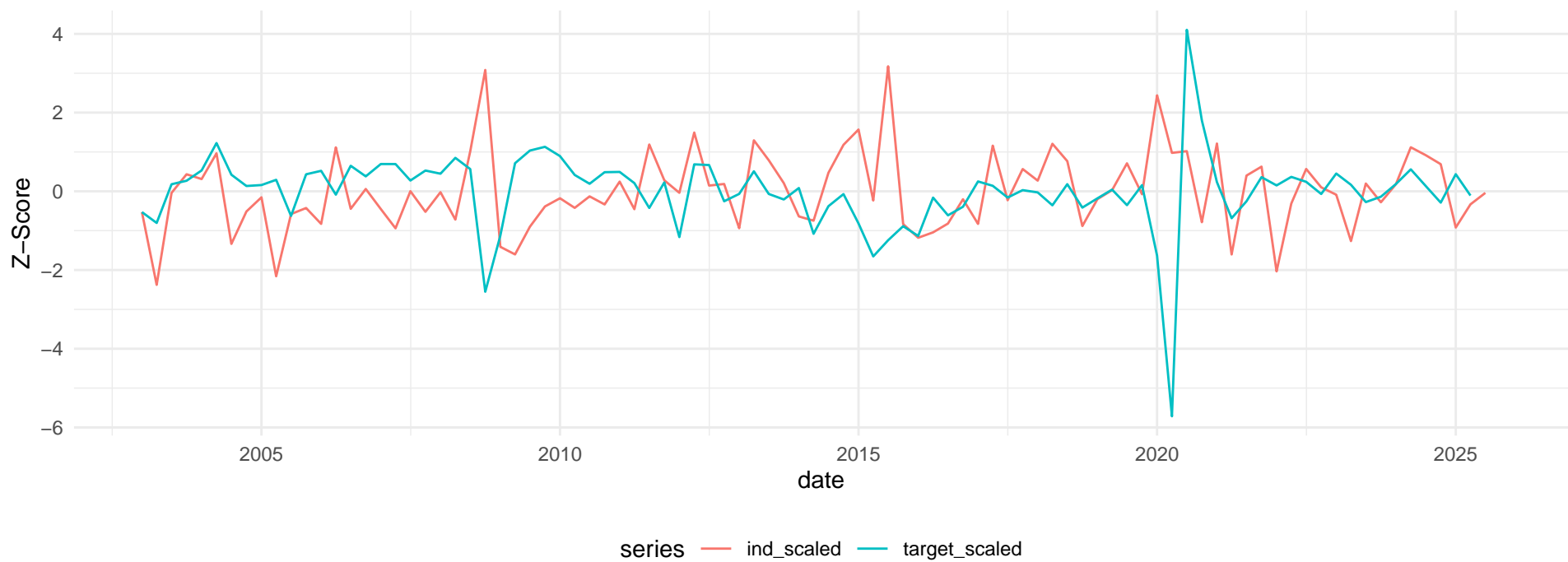
Corr: -0.17



Cross-Correlation (Quarterly Lags): DA\_REER\_IPCA

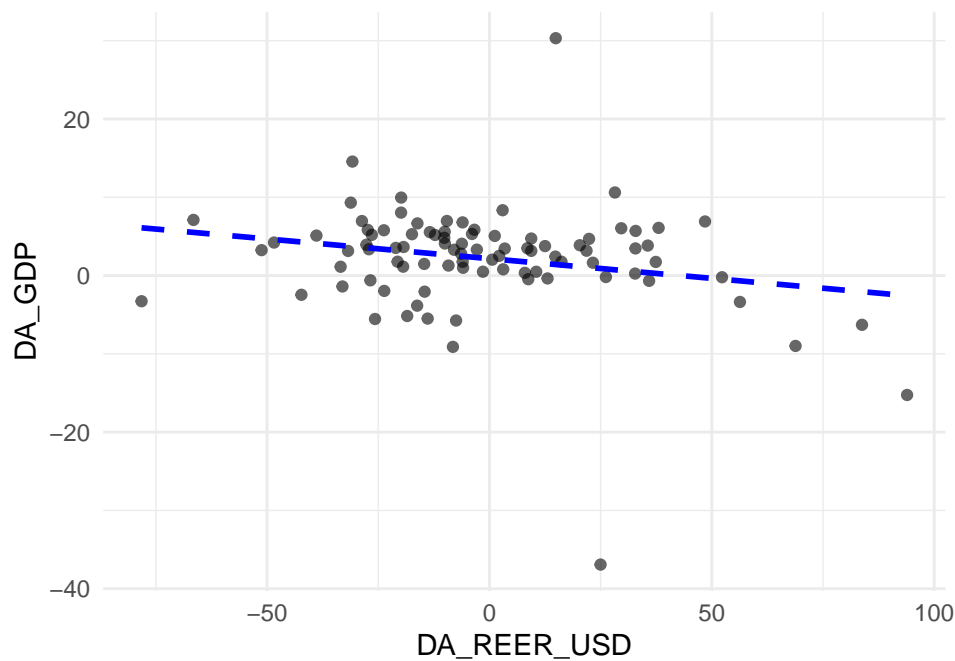


Standardized Time Series: DA\_REER\_IPCA

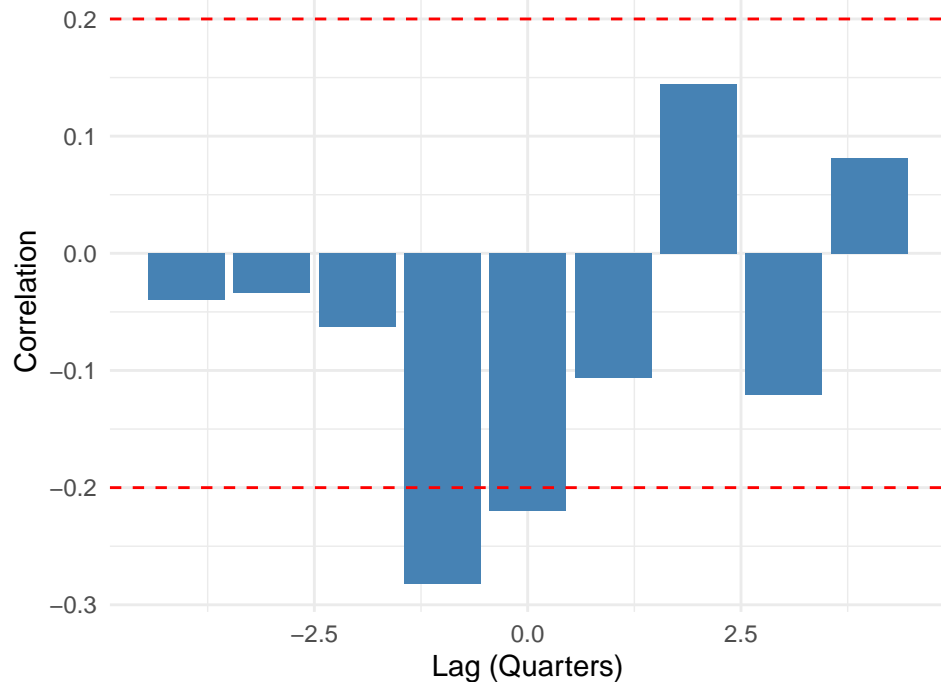


Scatter: DA\_REER\_USD vs Target

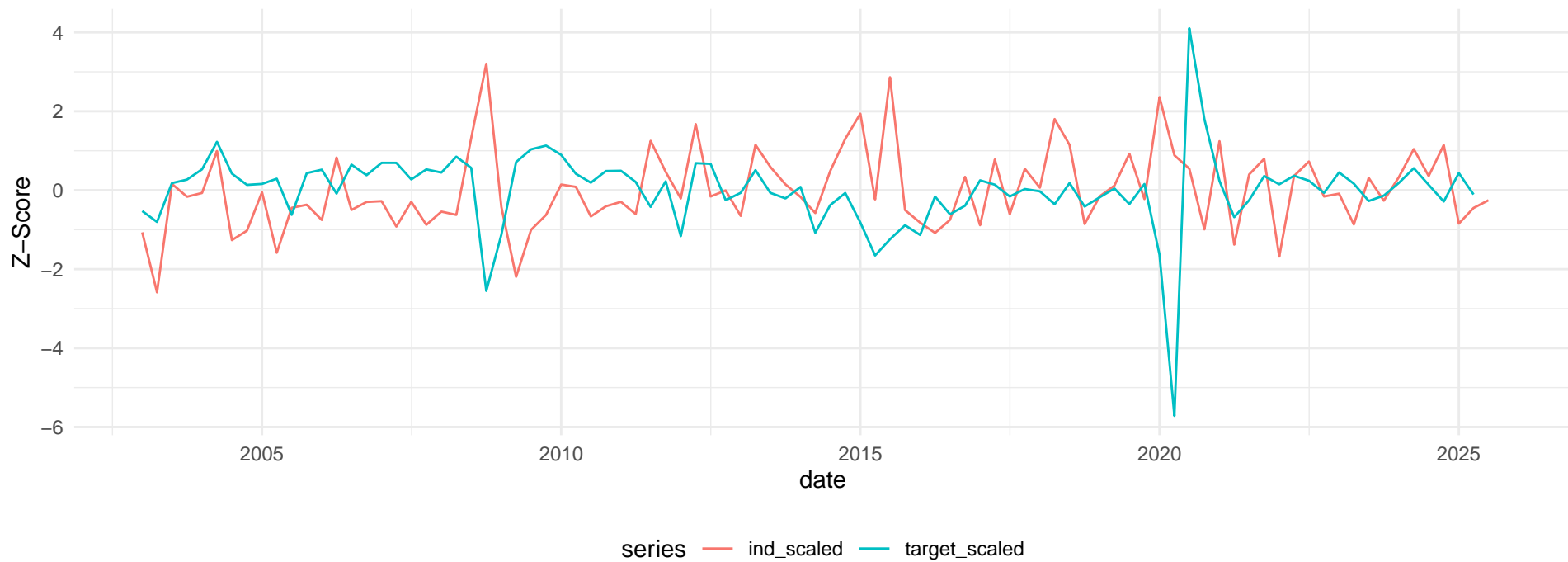
Corr: -0.22



Cross-Correlation (Quarterly Lags): DA\_REER\_USD

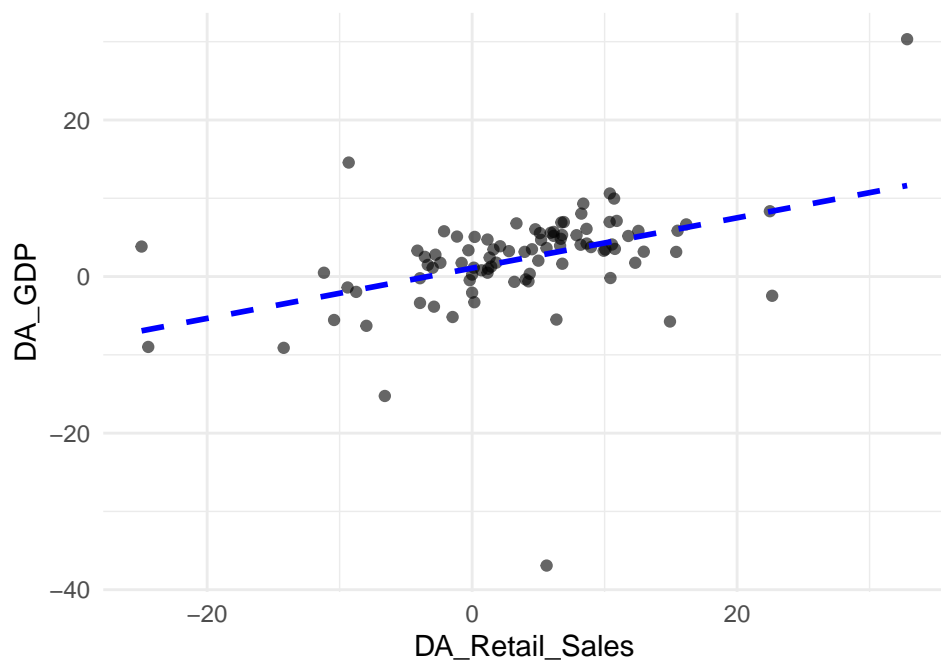


Standardized Time Series: DA\_REER\_USD

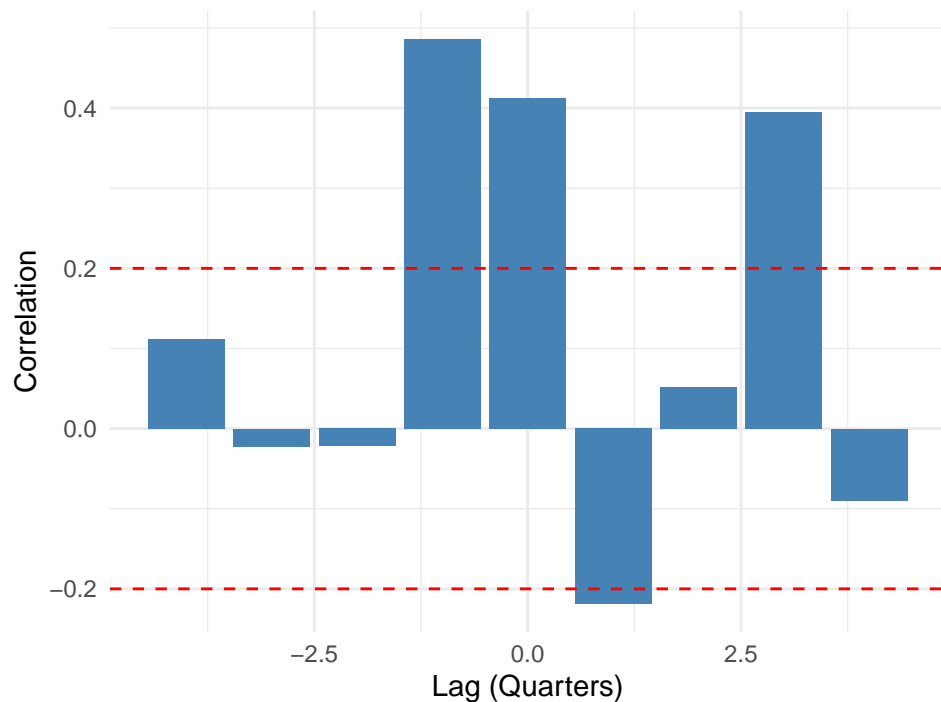


Scatter: DA\_Retail\_Sales vs Target

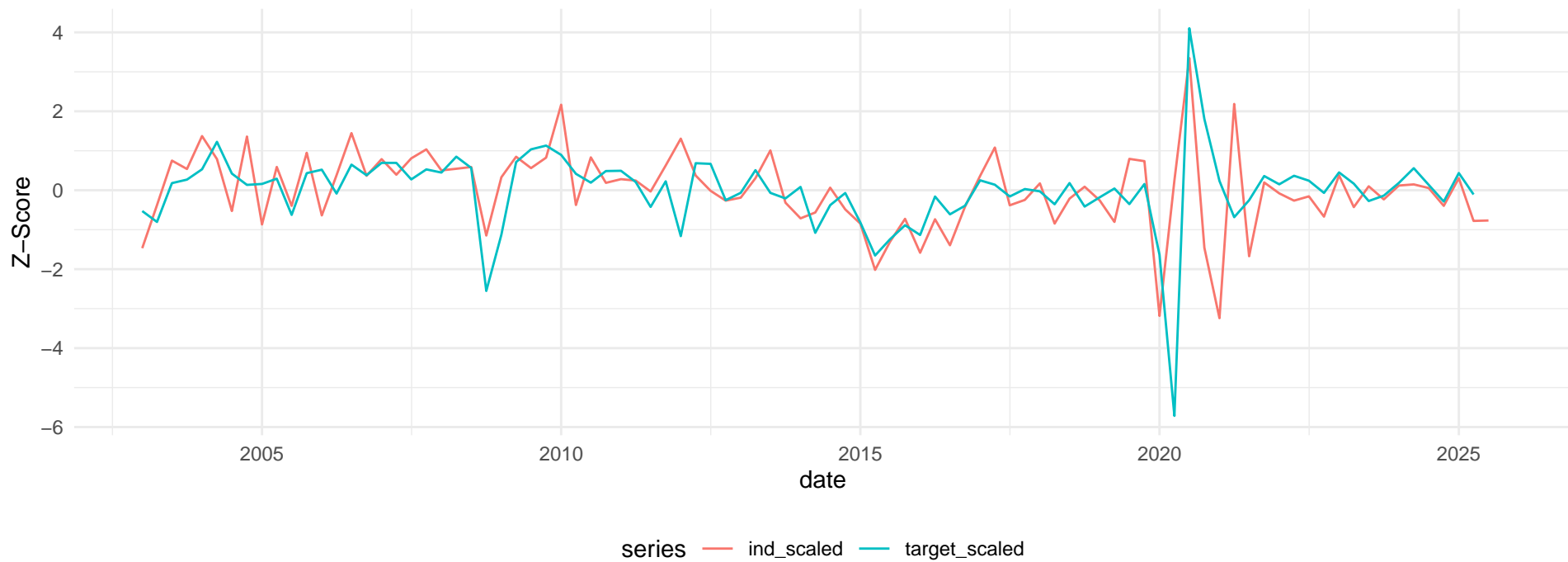
Corr: 0.41



Cross-Correlation (Quarterly Lags): DA\_Retail\_Sales



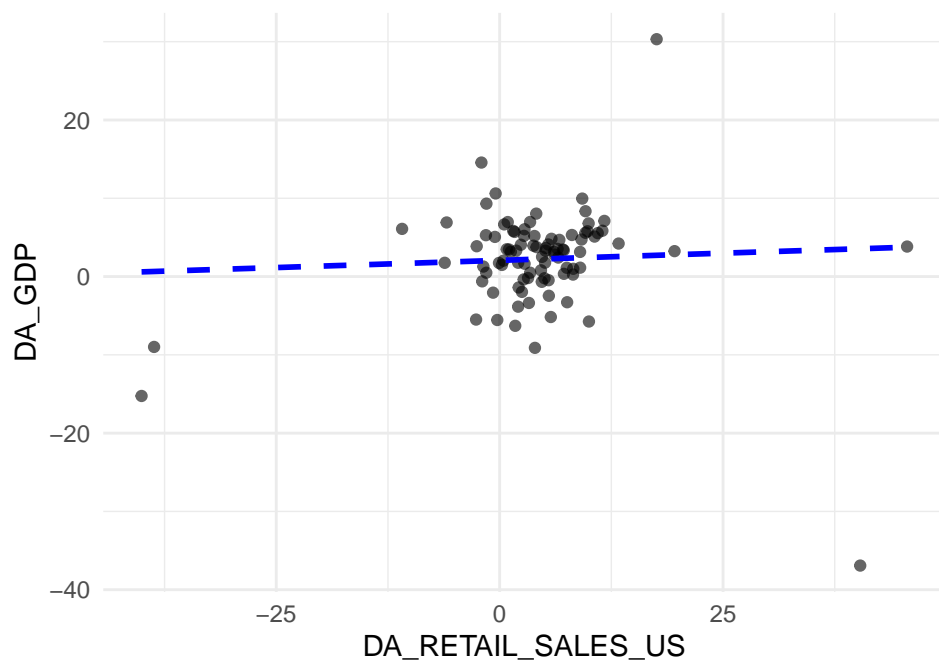
Standardized Time Series: DA\_Retail\_Sales



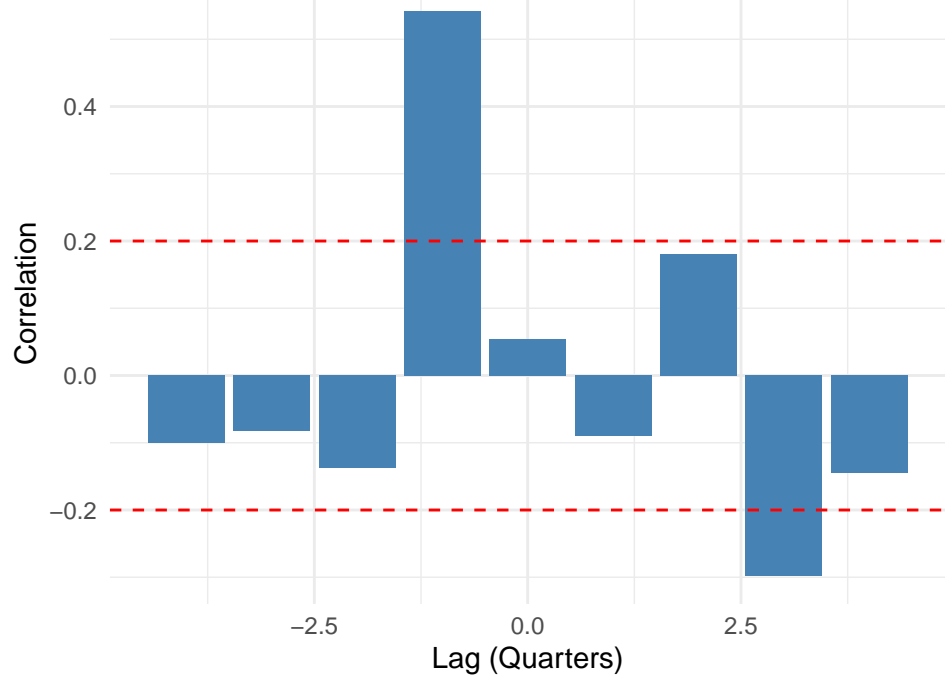


Scatter: DA\_RETAIL\_SALES\_US vs Target

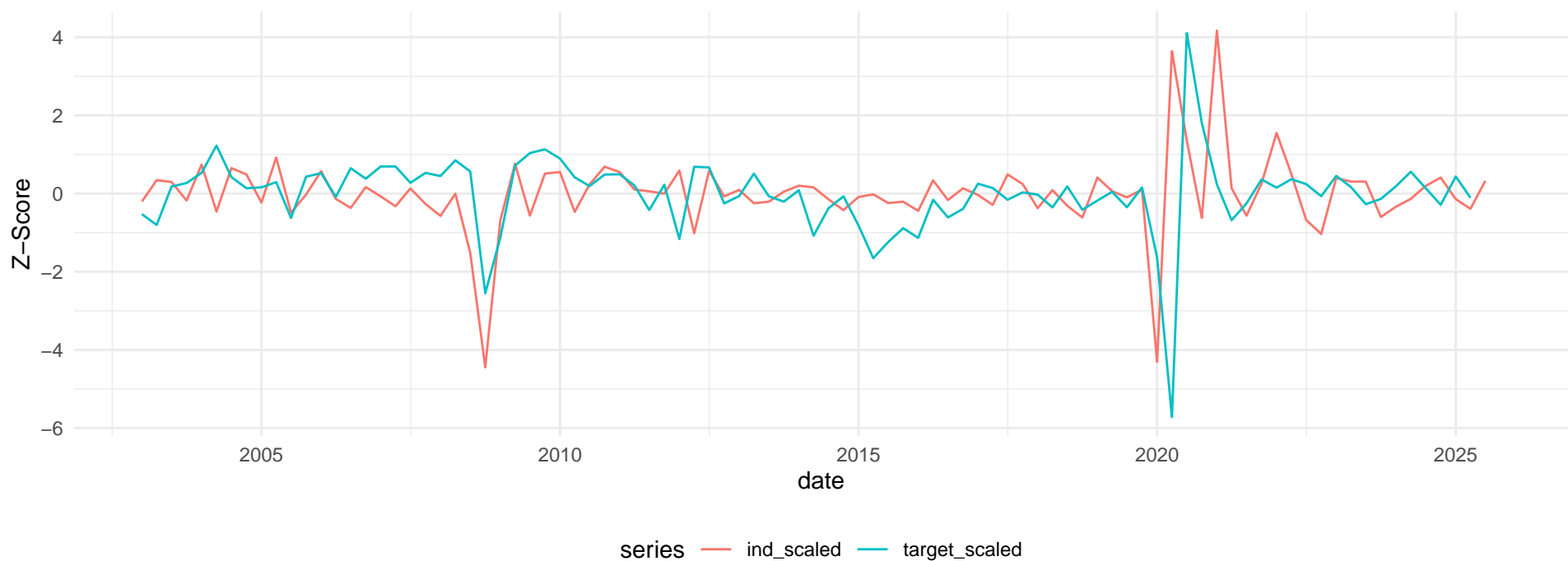
Corr: 0.05



Cross-Correlation (Quarterly Lags): DA\_RETAIL\_SALE

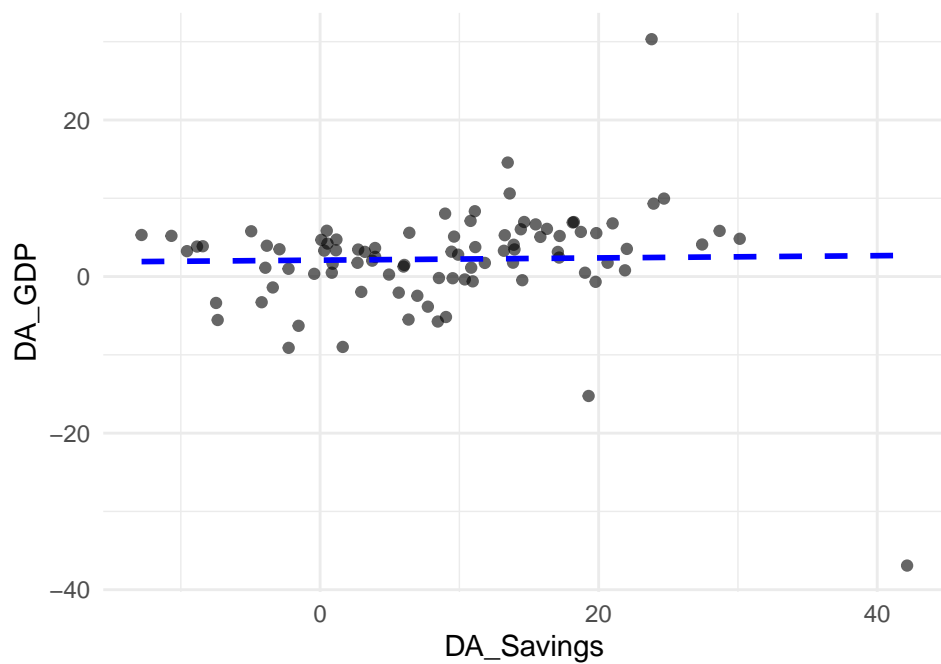


Standardized Time Series: DA\_RETAIL\_SALES\_US

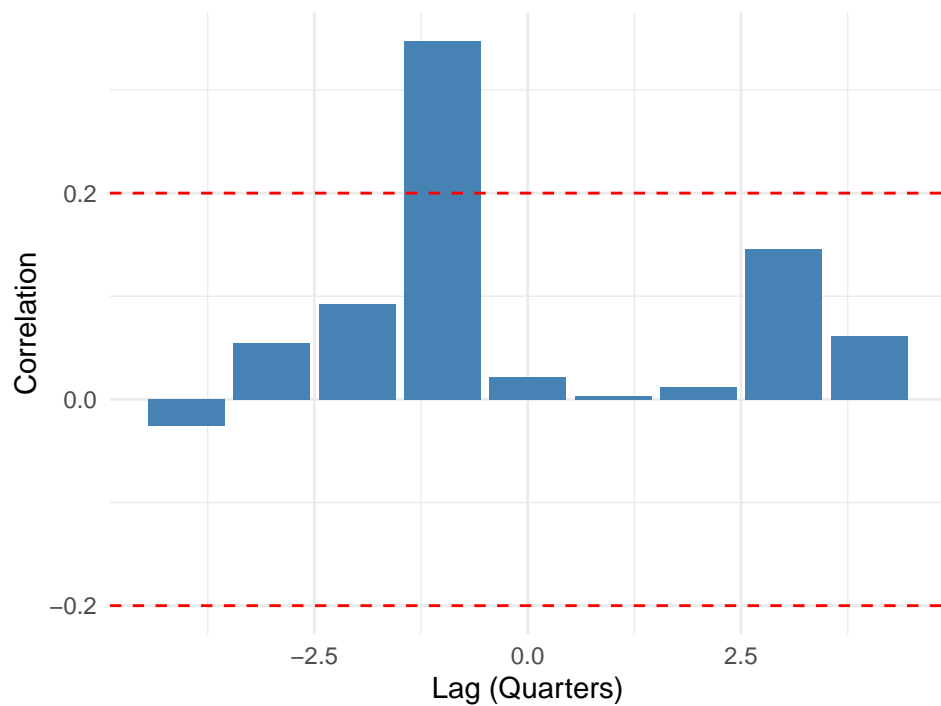


### Scatter: DA\_Savings vs Target

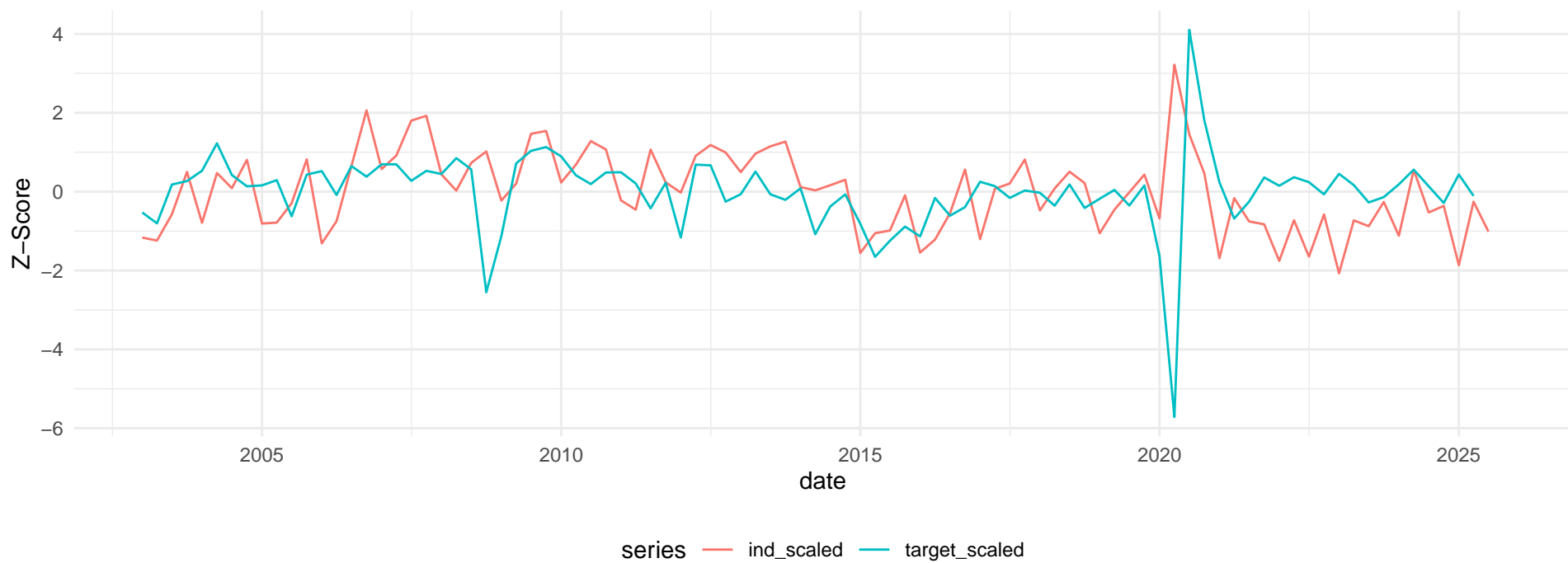
Corr: 0.02



### Cross-Correlation (Quarterly Lags): DA\_Savings

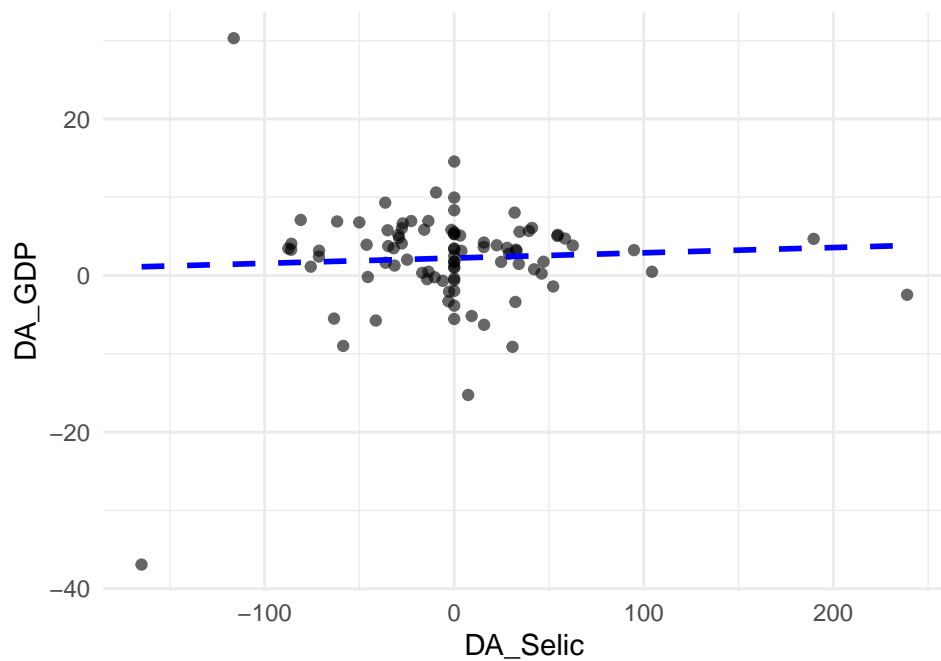


### Standardized Time Series: DA\_Savings

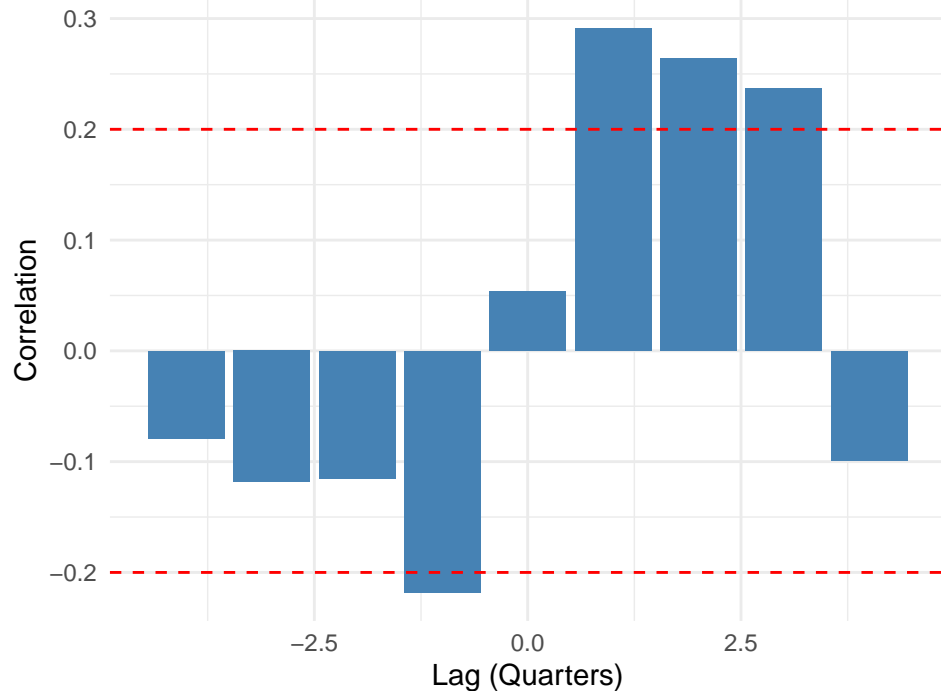


Scatter: DA\_Selic vs Target

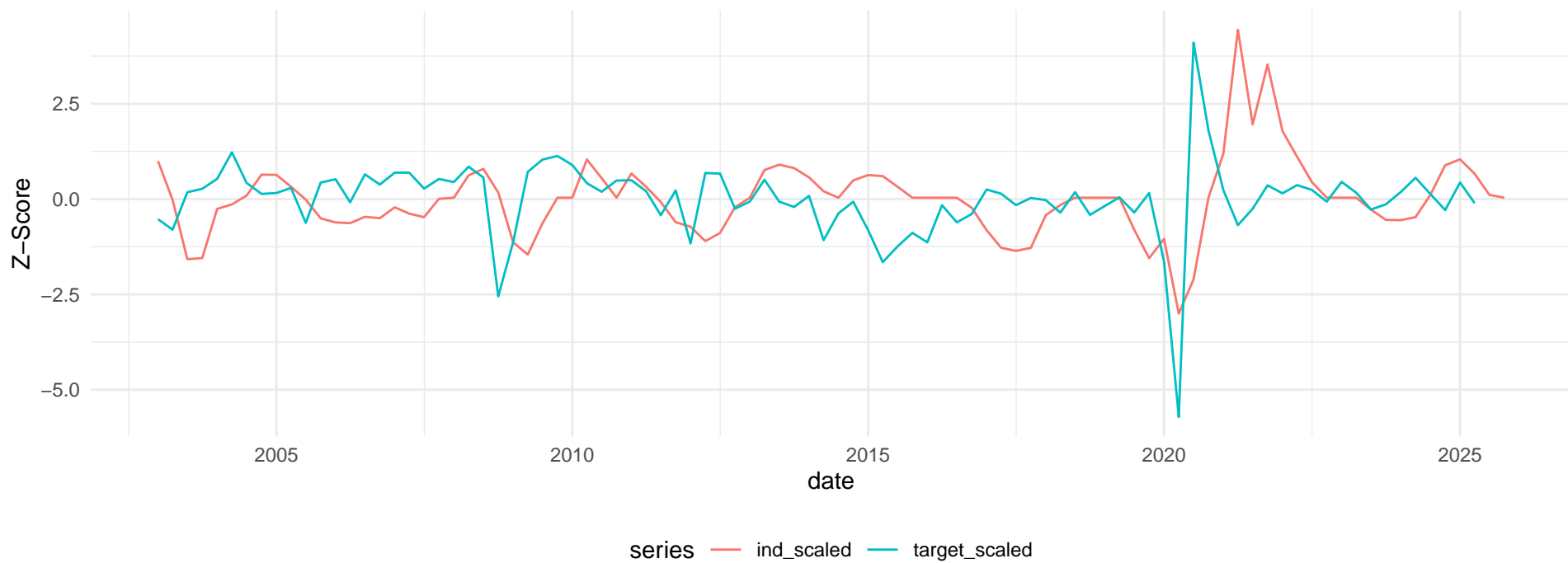
Corr: 0.05



Cross-Correlation (Quarterly Lags): DA\_Selic

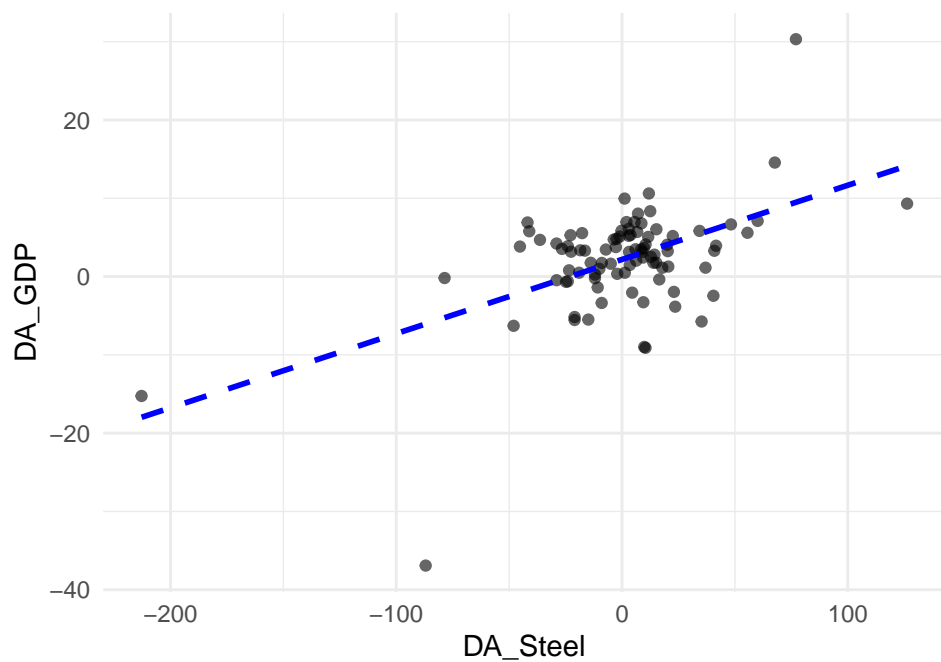


Standardized Time Series: DA\_Selic

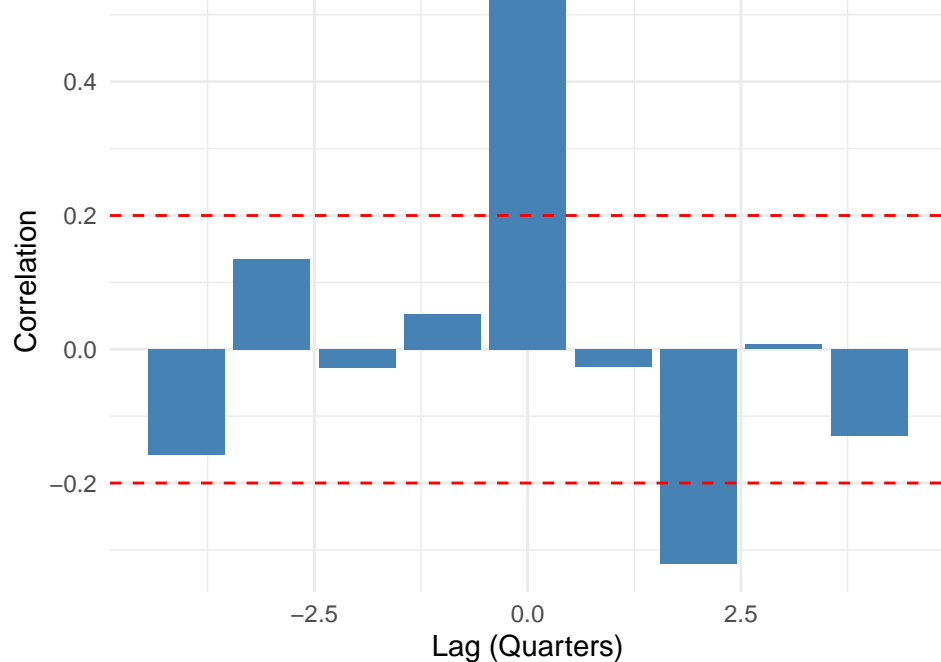


Scatter: DA\_Steel vs Target

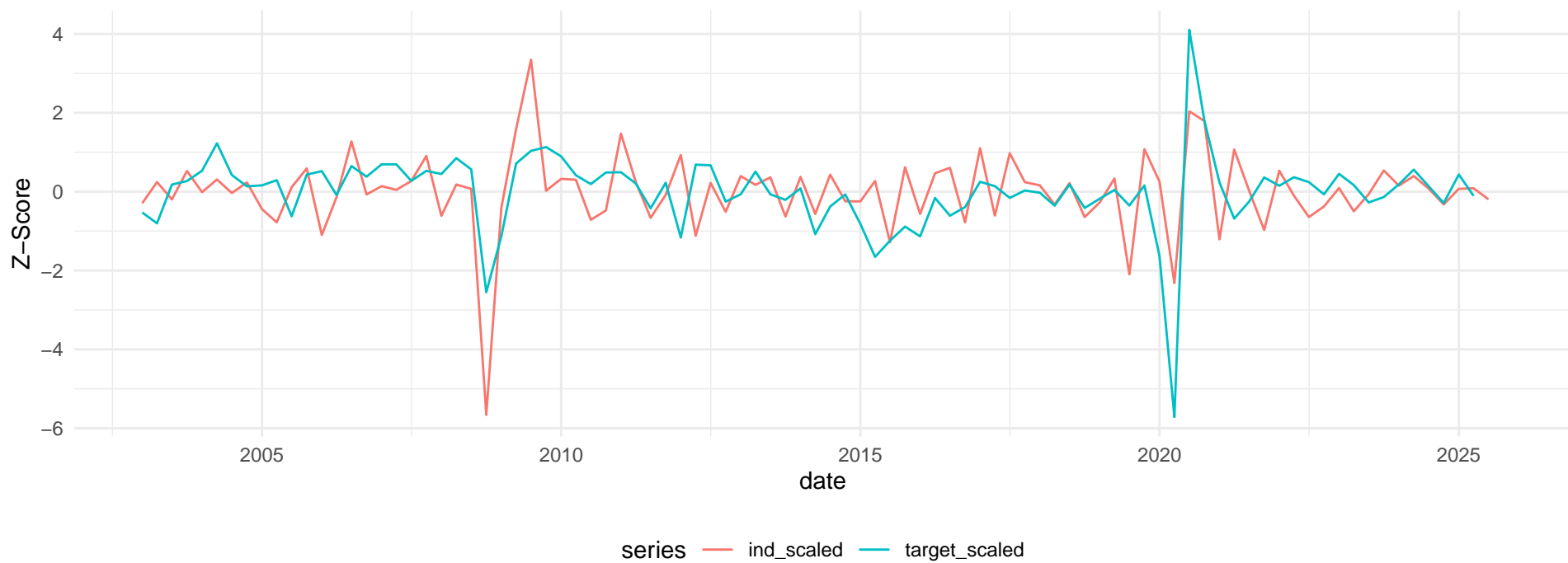
Corr: 0.52



Cross-Correlation (Quarterly Lags): DA\_Steel

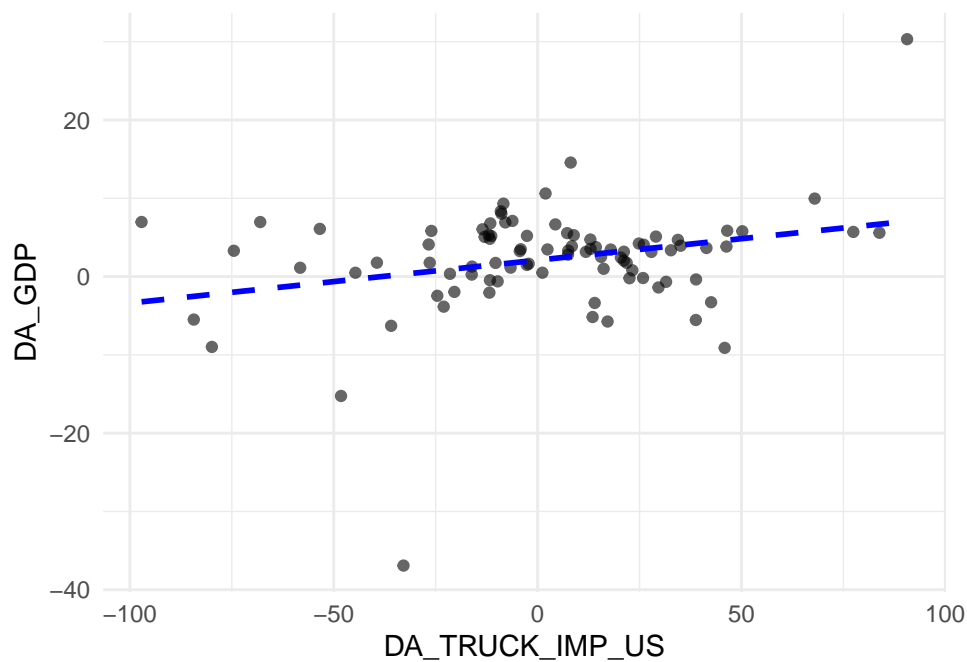


Standardized Time Series: DA\_Steel

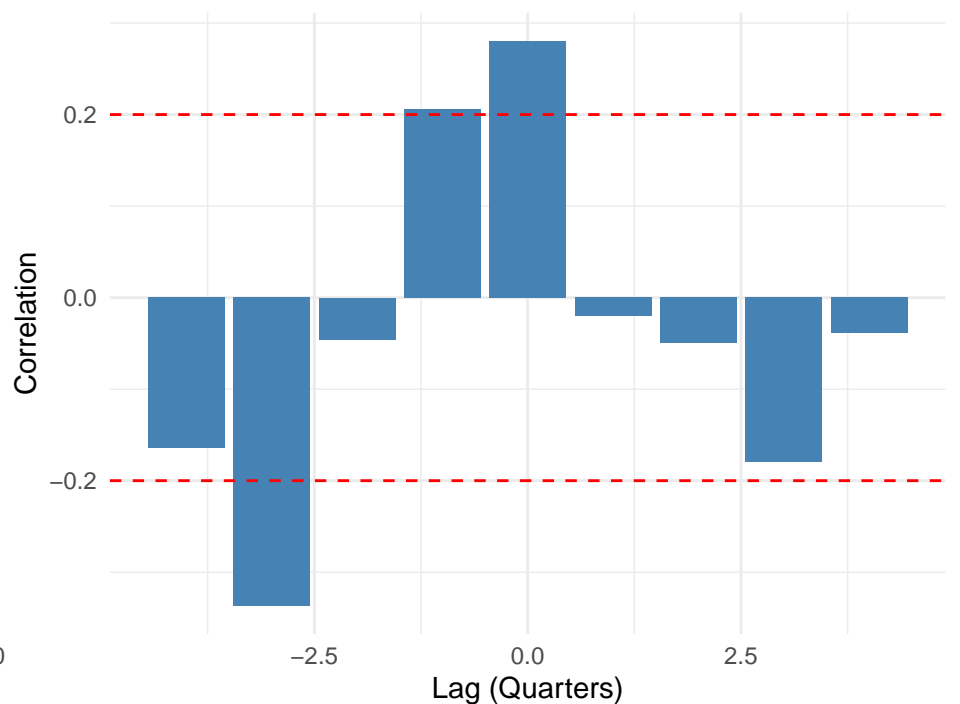


Scatter: DA\_TRUCK\_IMP\_US vs Target

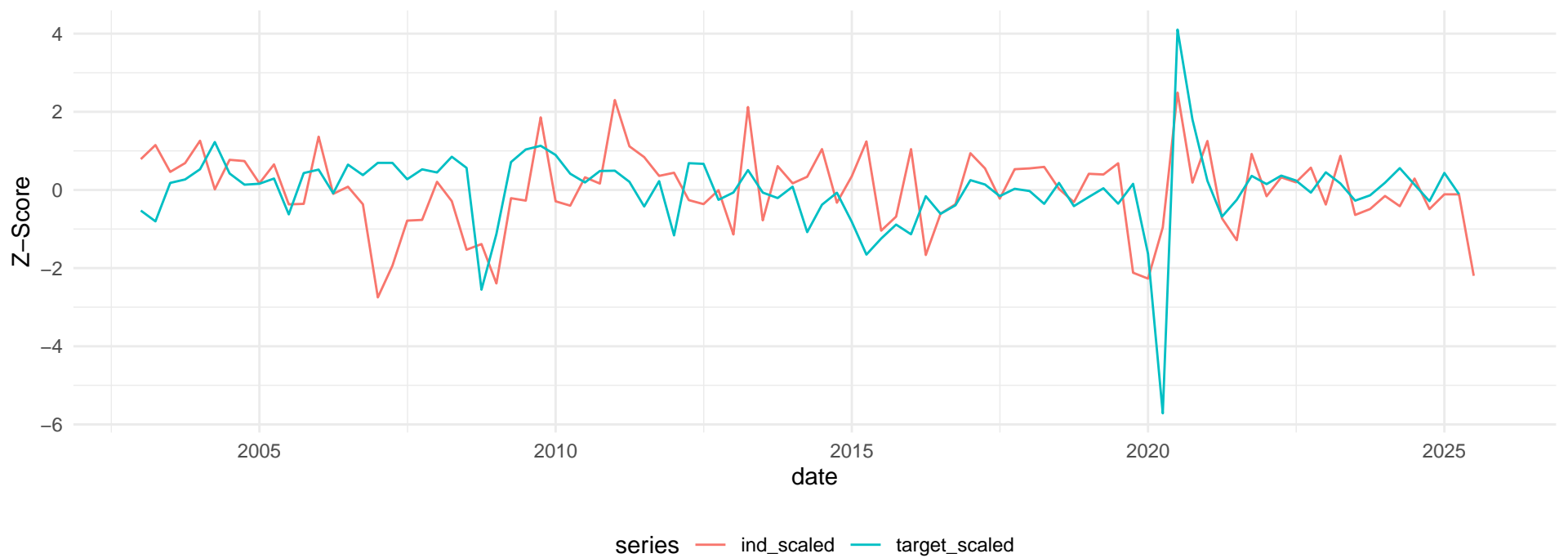
Corr: 0.28



Cross-Correlation (Quarterly Lags): DA\_TRUCK\_IMP\_US

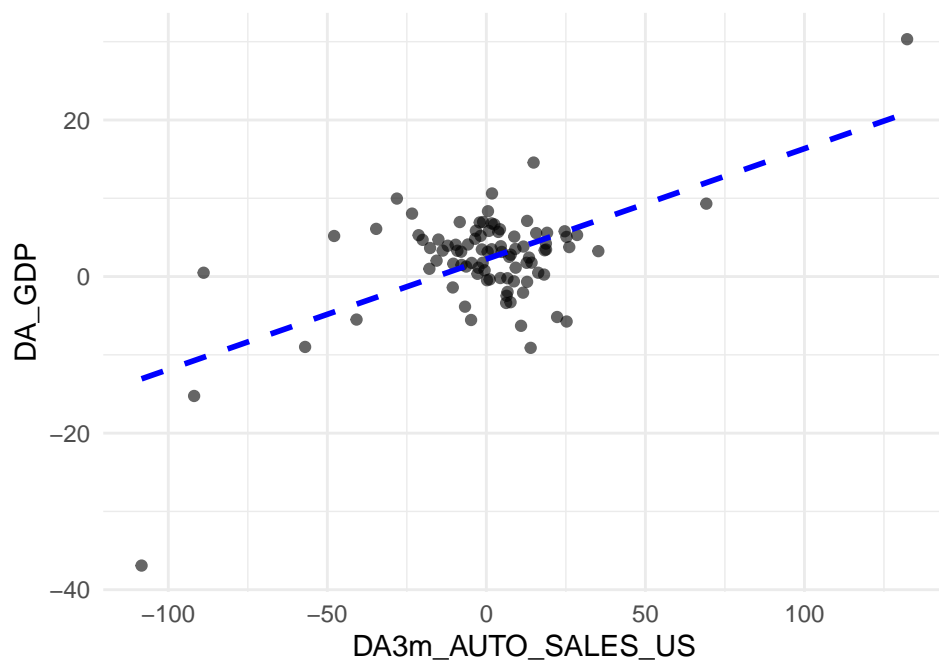


Standardized Time Series: DA\_TRUCK\_IMP\_US

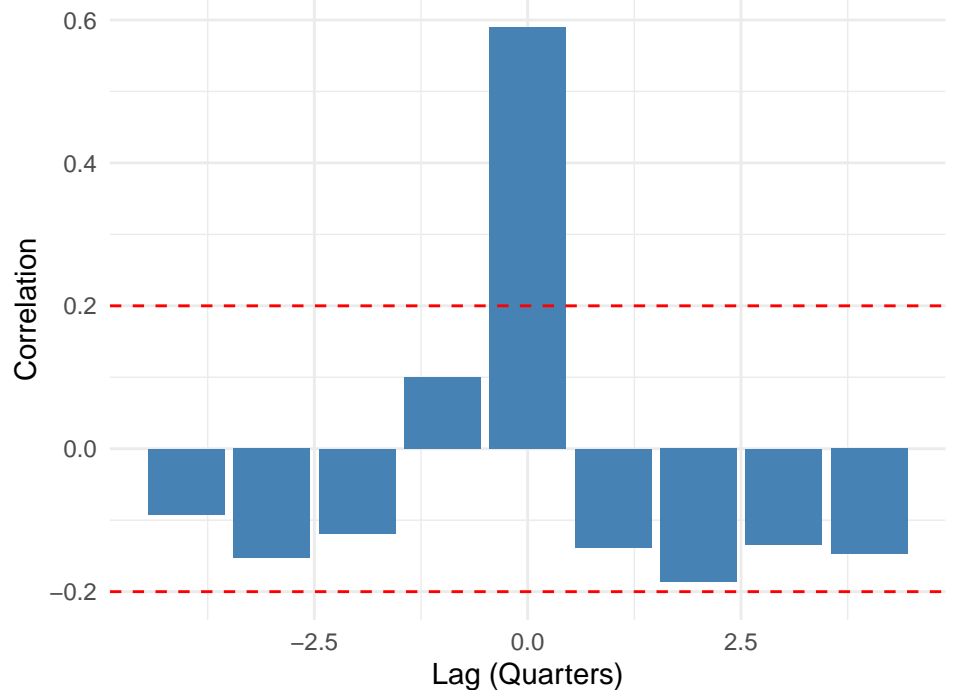


Scatter: DA3m\_AUTO\_SALES\_US vs Target

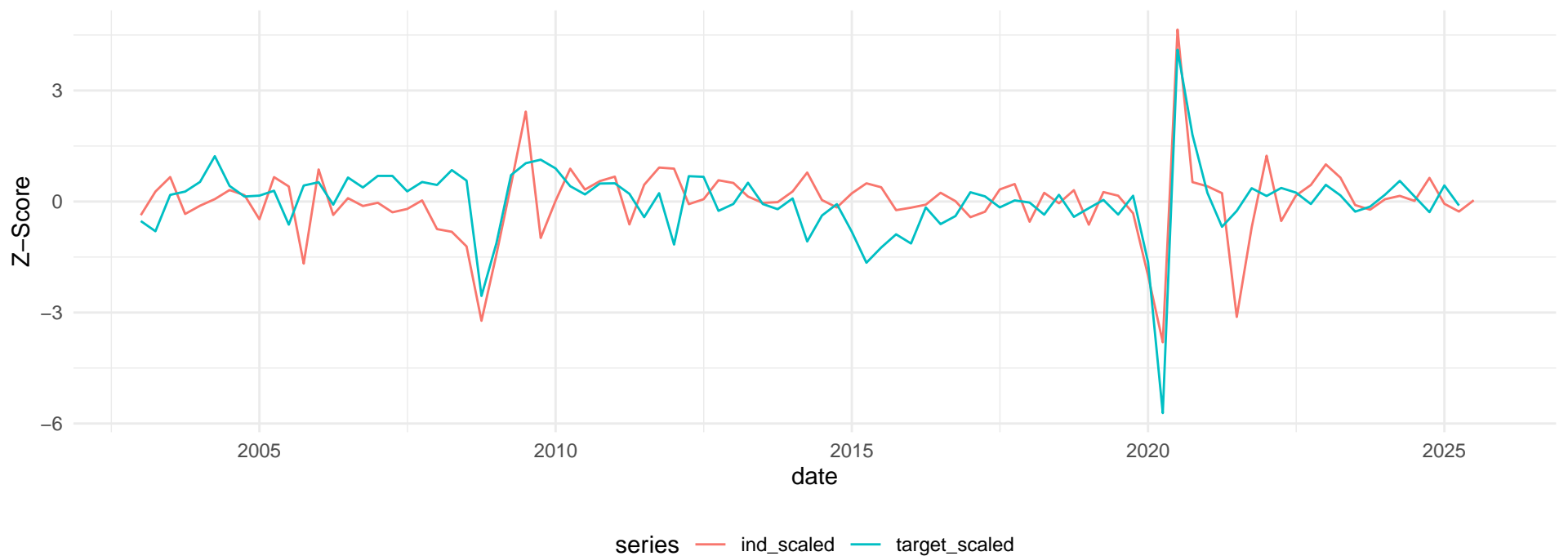
Corr: 0.59



Cross-Correlation (Quarterly Lags): DA3m\_AUTO\_SAL

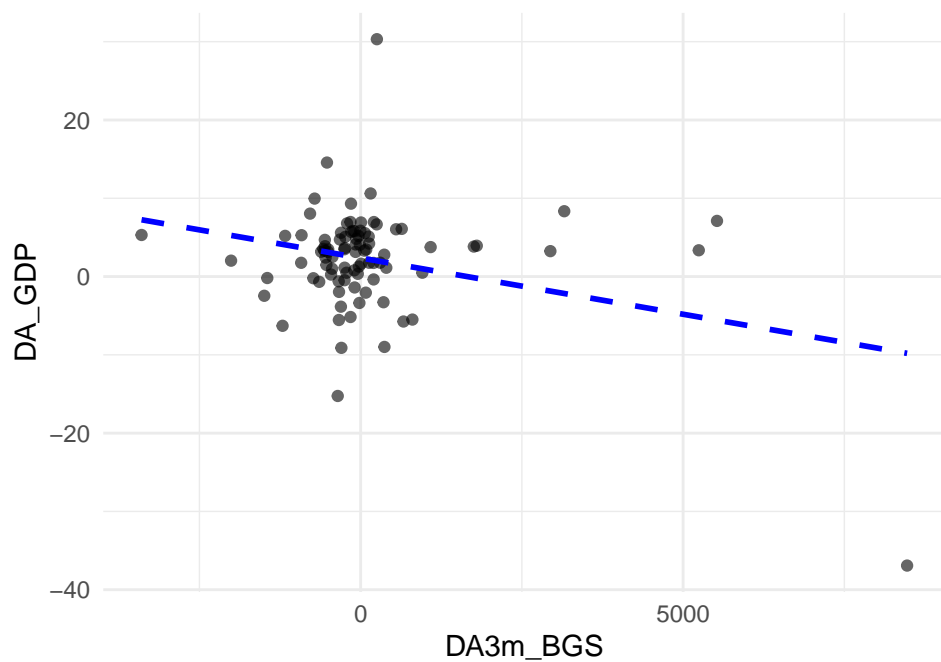


Standardized Time Series: DA3m\_AUTO\_SALES\_US

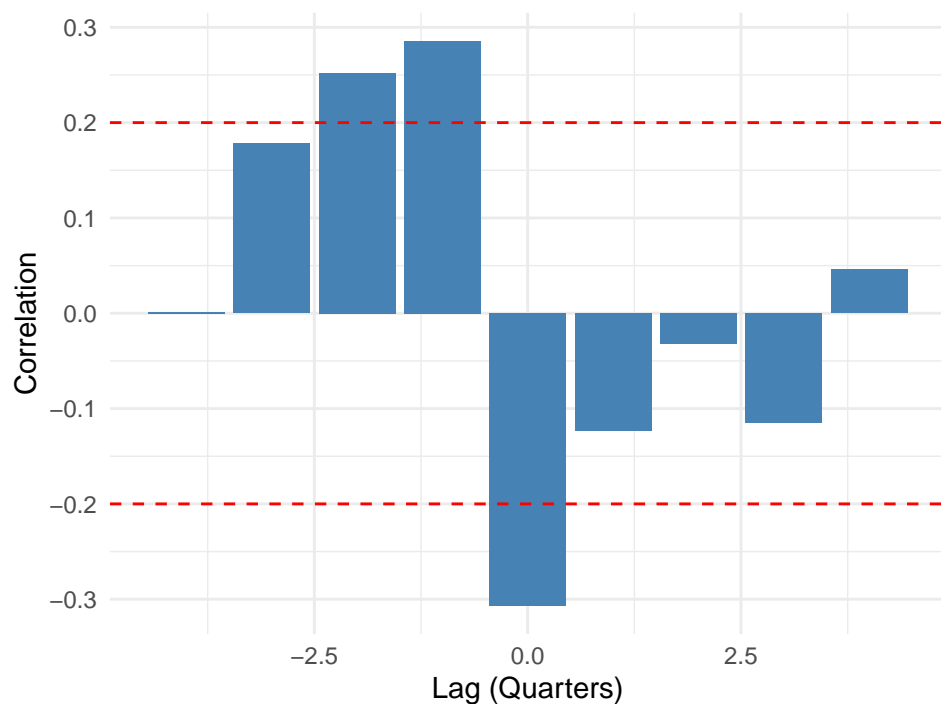


Scatter: DA3m\_BGS vs Target

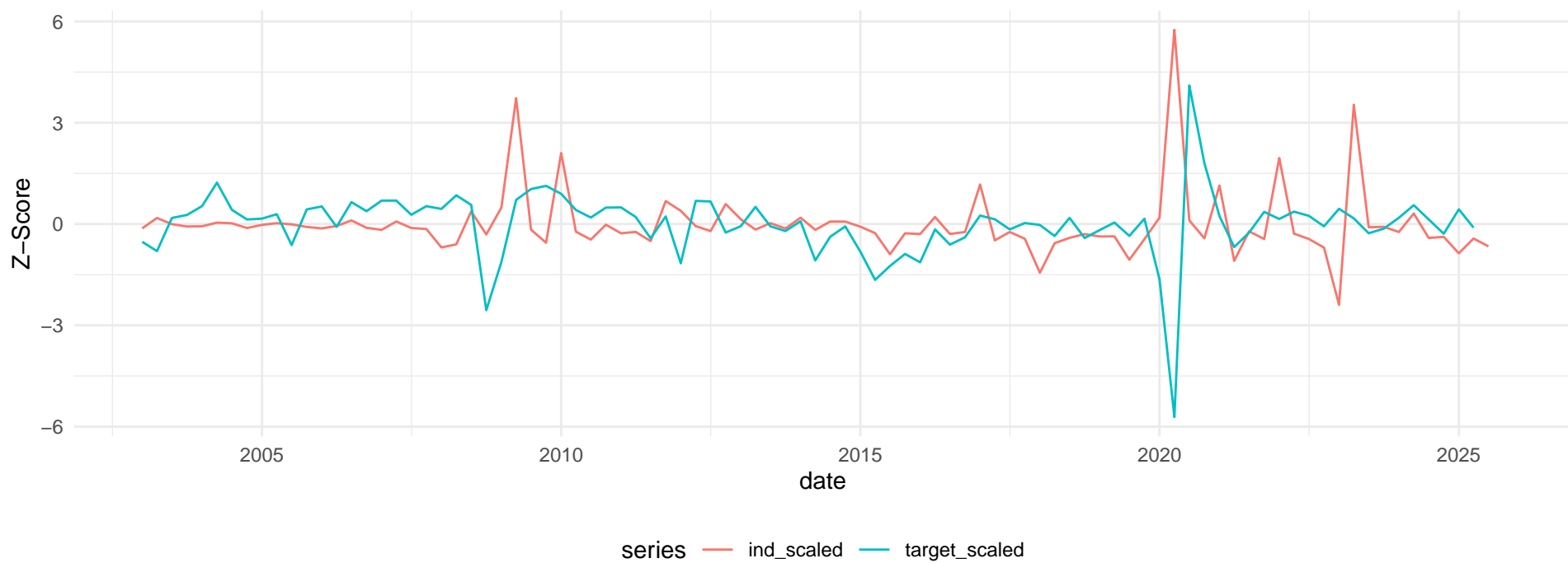
Corr: -0.31



Cross-Correlation (Quarterly Lags): DA3m\_BGS

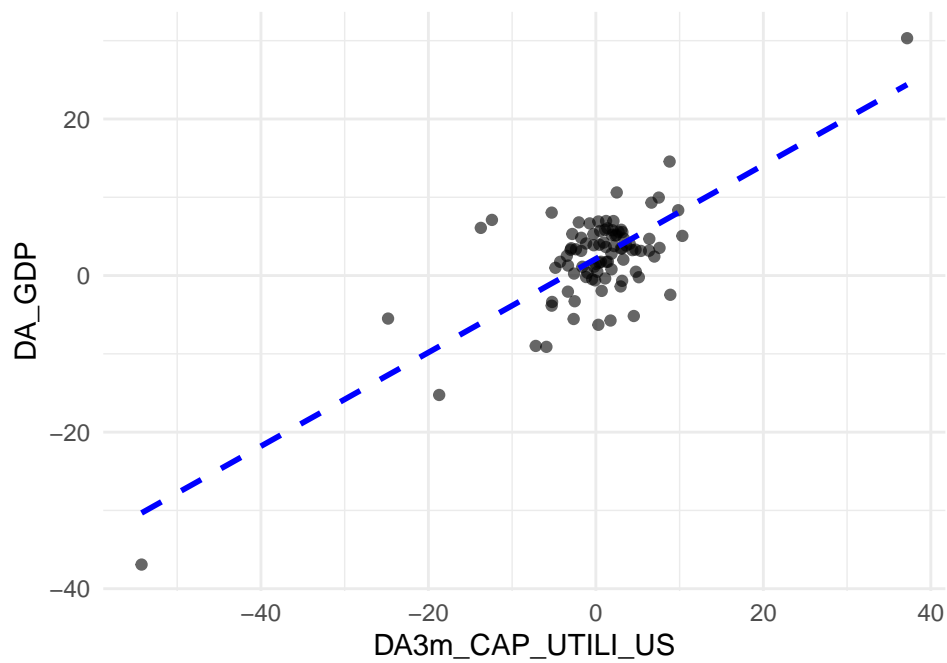


Standardized Time Series: DA3m\_BGS

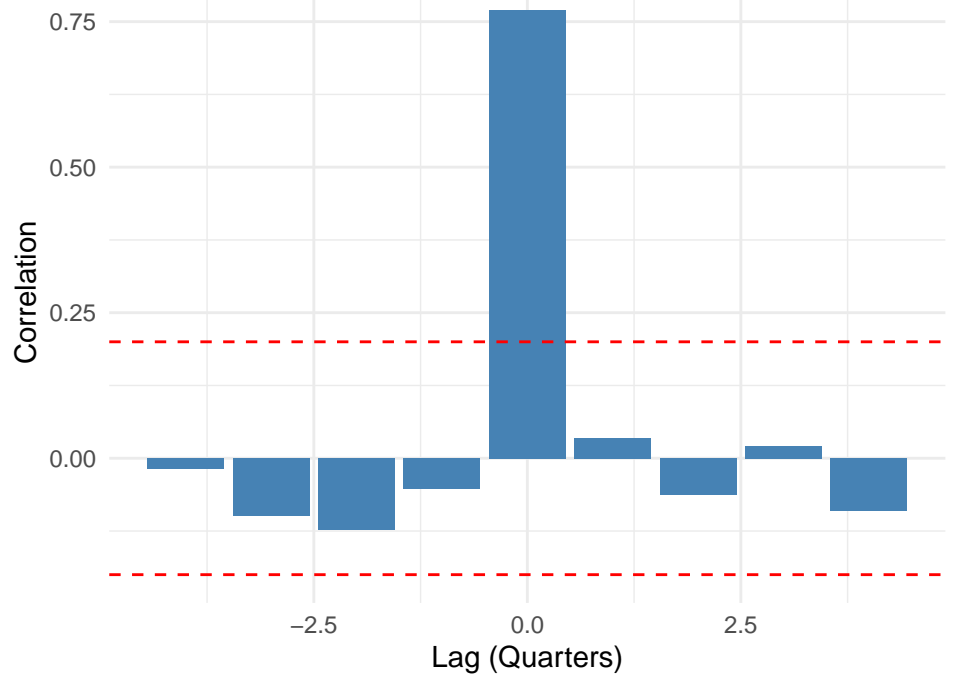


Scatter: DA3m\_CAP\_UTILI\_US vs Target

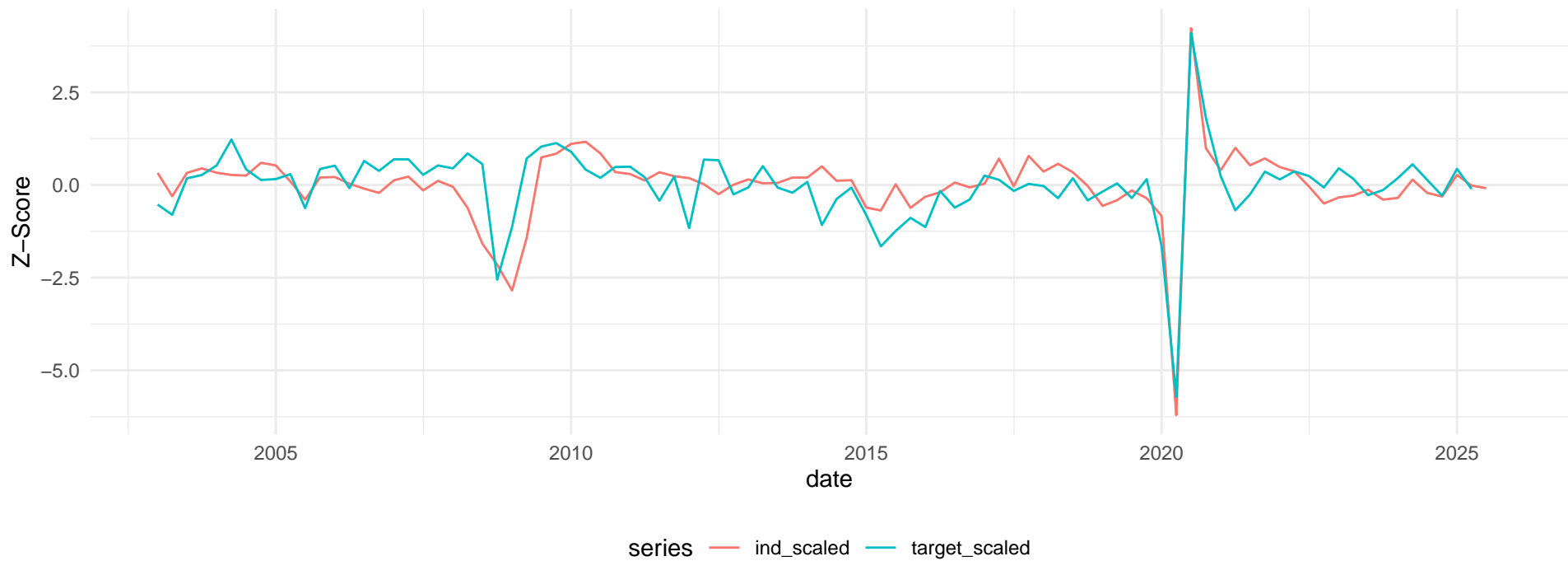
Corr: 0.77



Cross-Correlation (Quarterly Lags): DA3m\_CAP\_UTILI\_US



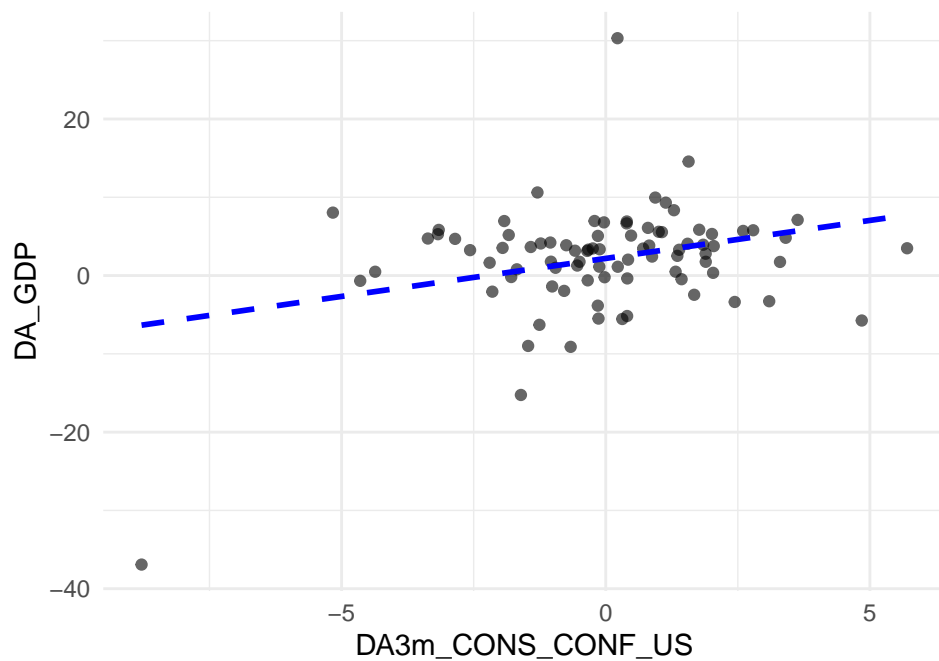
Standardized Time Series: DA3m\_CAP\_UTILI\_US



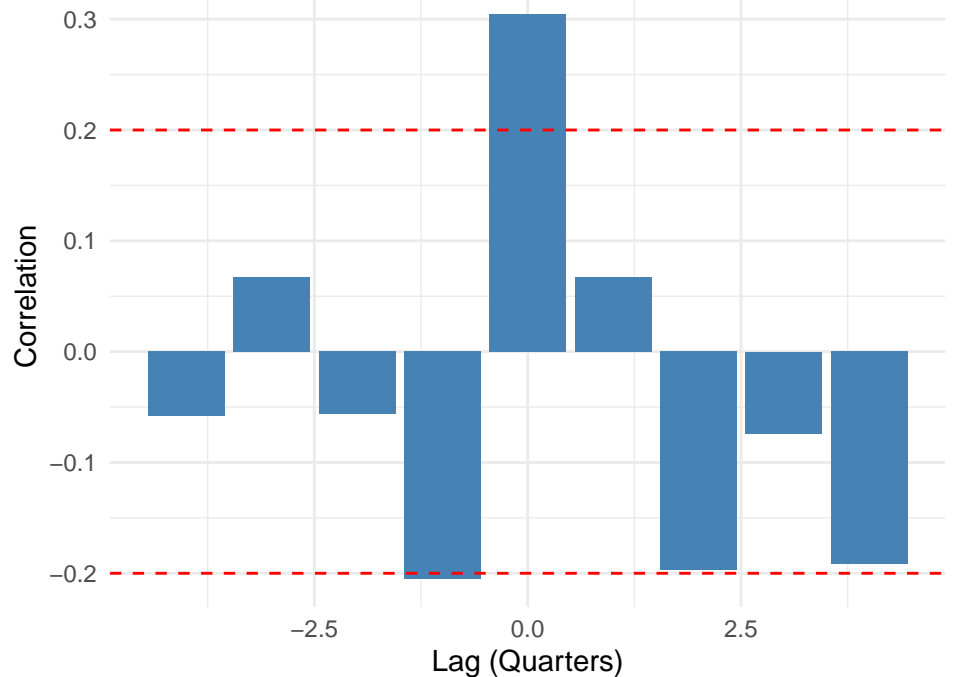


Scatter: DA3m\_CONS\_CONF\_US vs Target

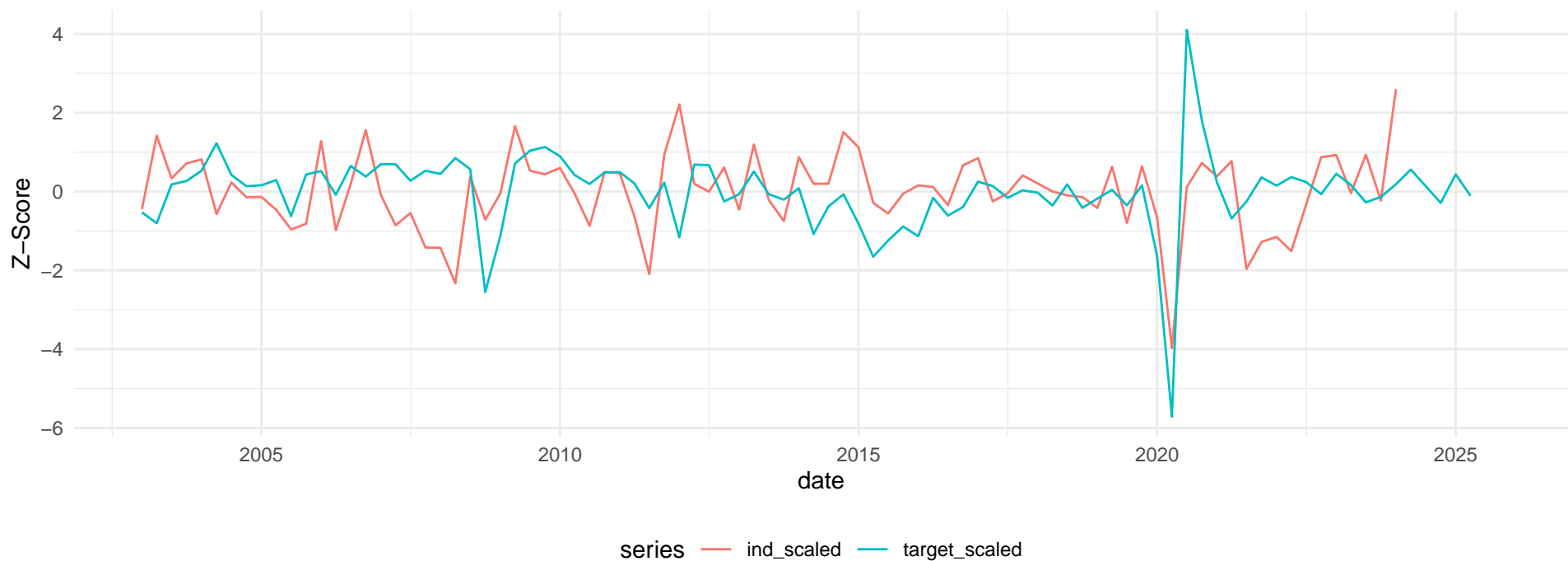
Corr: 0.3



Cross-Correlation (Quarterly Lags): DA3m\_CONS\_CONF\_US vs Target

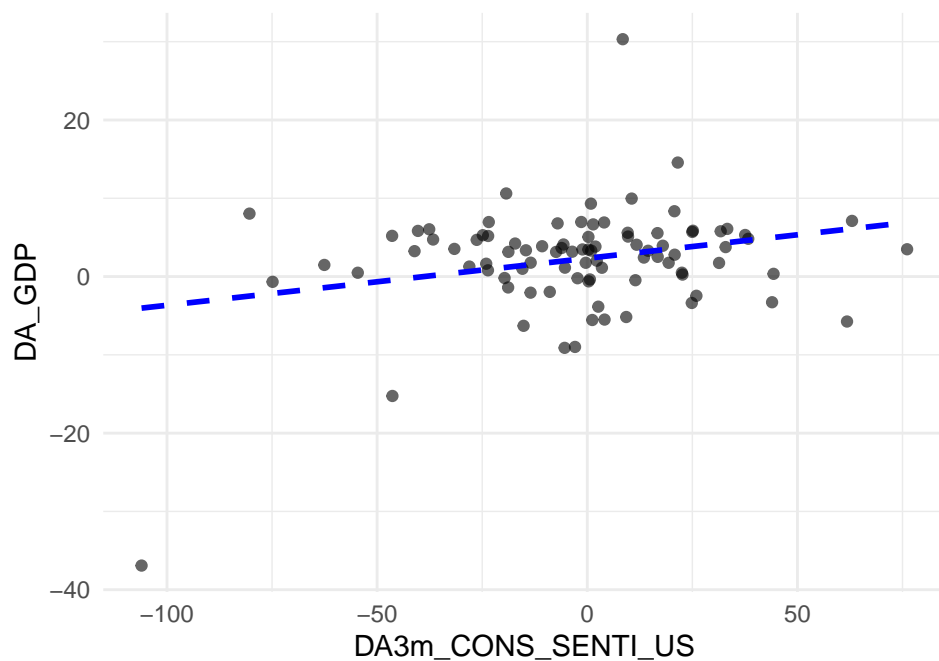


Standardized Time Series: DA3m\_CONS\_CONF\_US

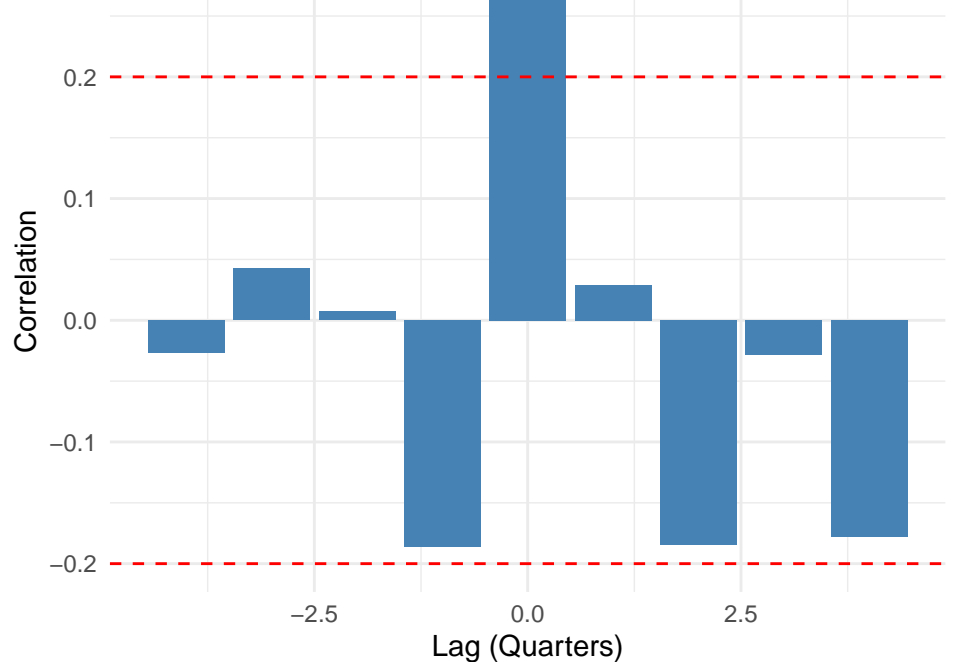


Scatter: DA3m\_CONS\_SENTI\_US vs Target

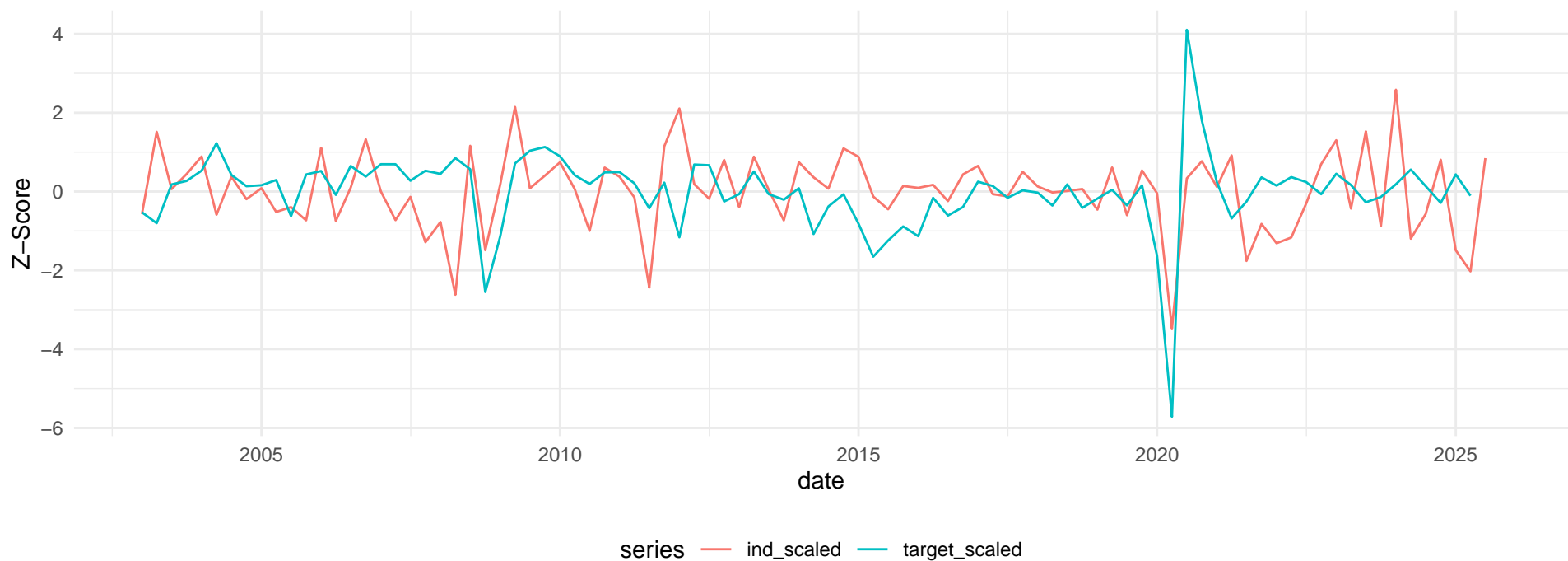
Corr: 0.26



Cross-Correlation (Quarterly Lags): DA3m\_CONS\_SENTI\_US

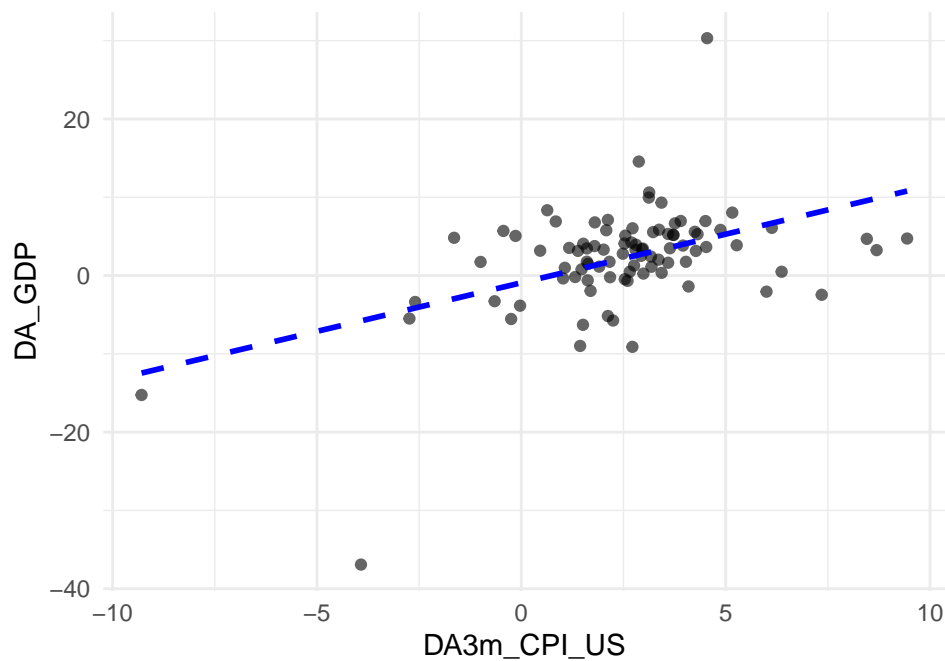


Standardized Time Series: DA3m\_CONS\_SENTI\_US

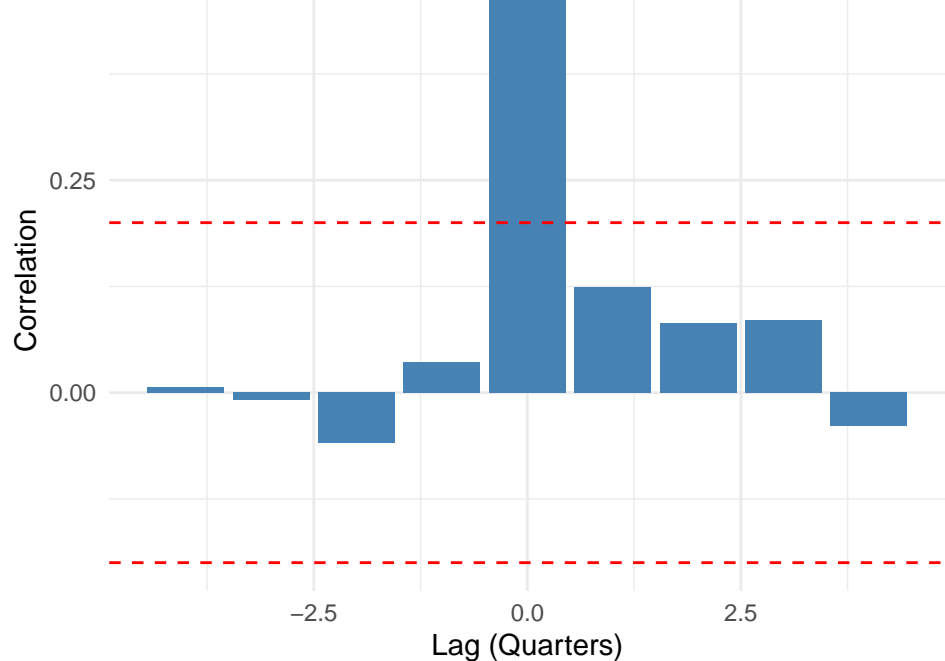


Scatter: DA3m\_CPI\_US vs Target

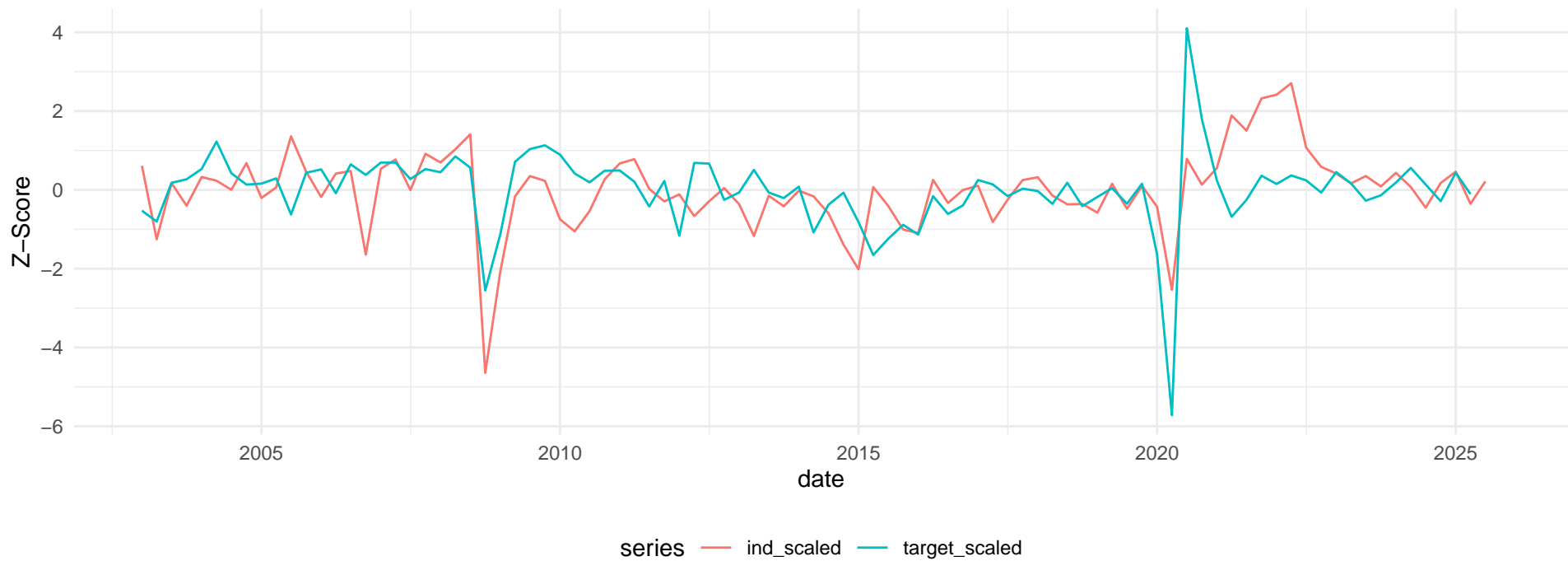
Corr: 0.46



Cross-Correlation (Quarterly Lags): DA3m\_CPI\_US

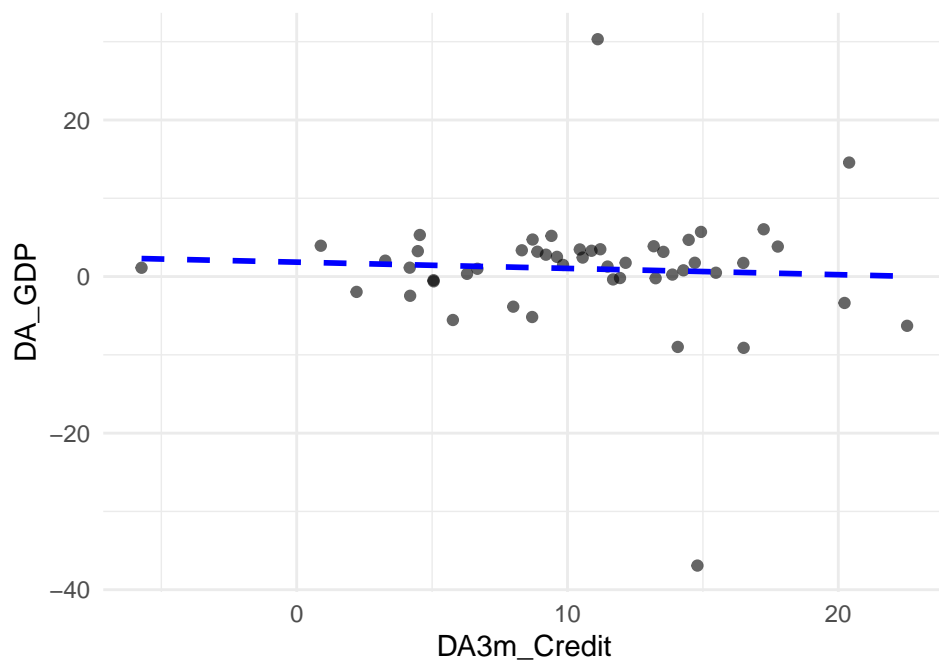


Standardized Time Series: DA3m\_CPI\_US

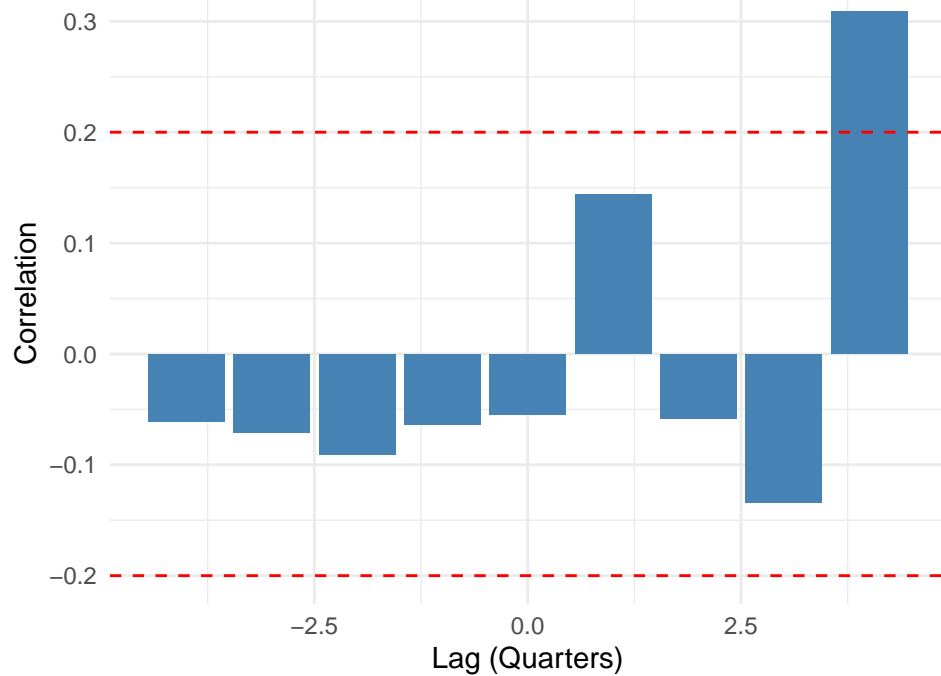


### Scatter: DA3m\_Credit vs Target

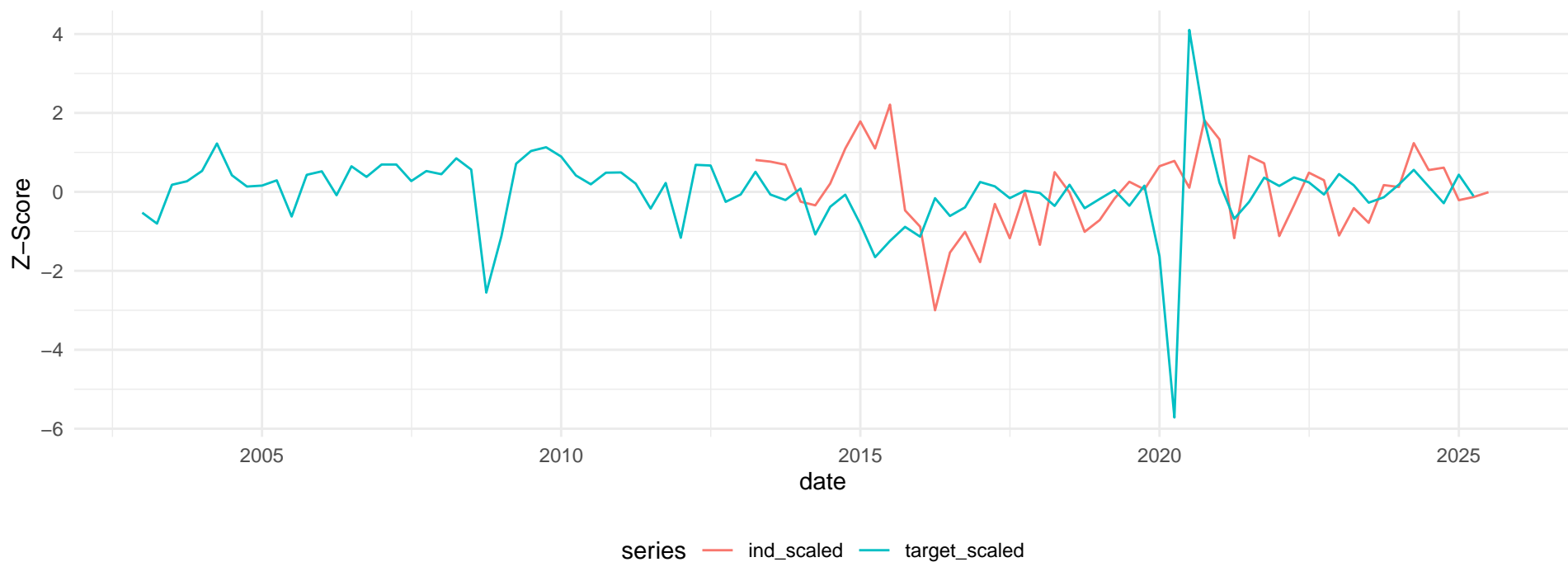
Corr: -0.05



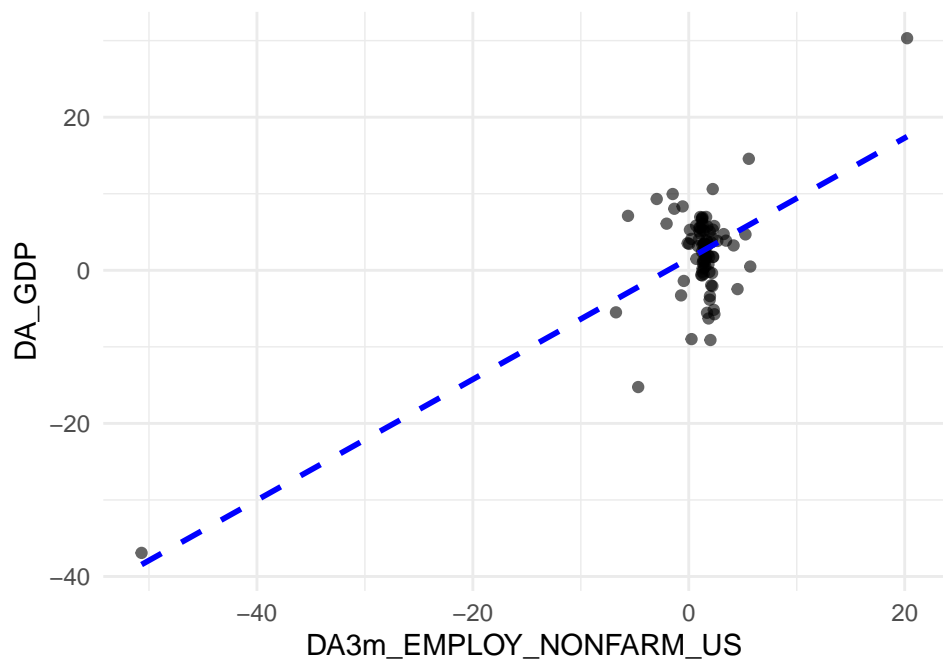
### Cross-Correlation (Quarterly Lags): DA3m\_Credit



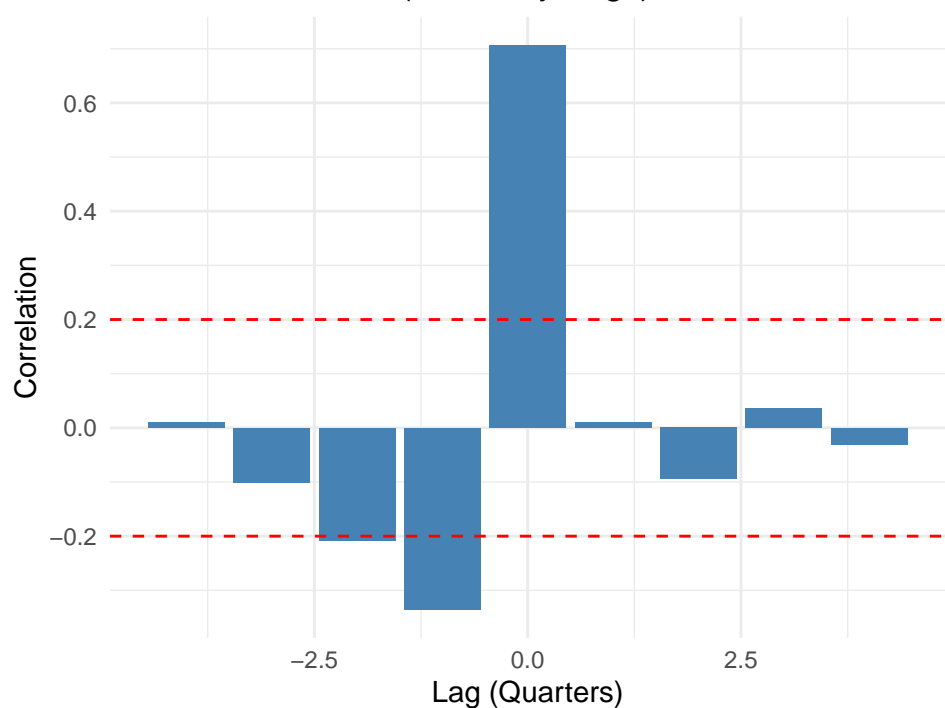
### Standardized Time Series: DA3m\_Credit



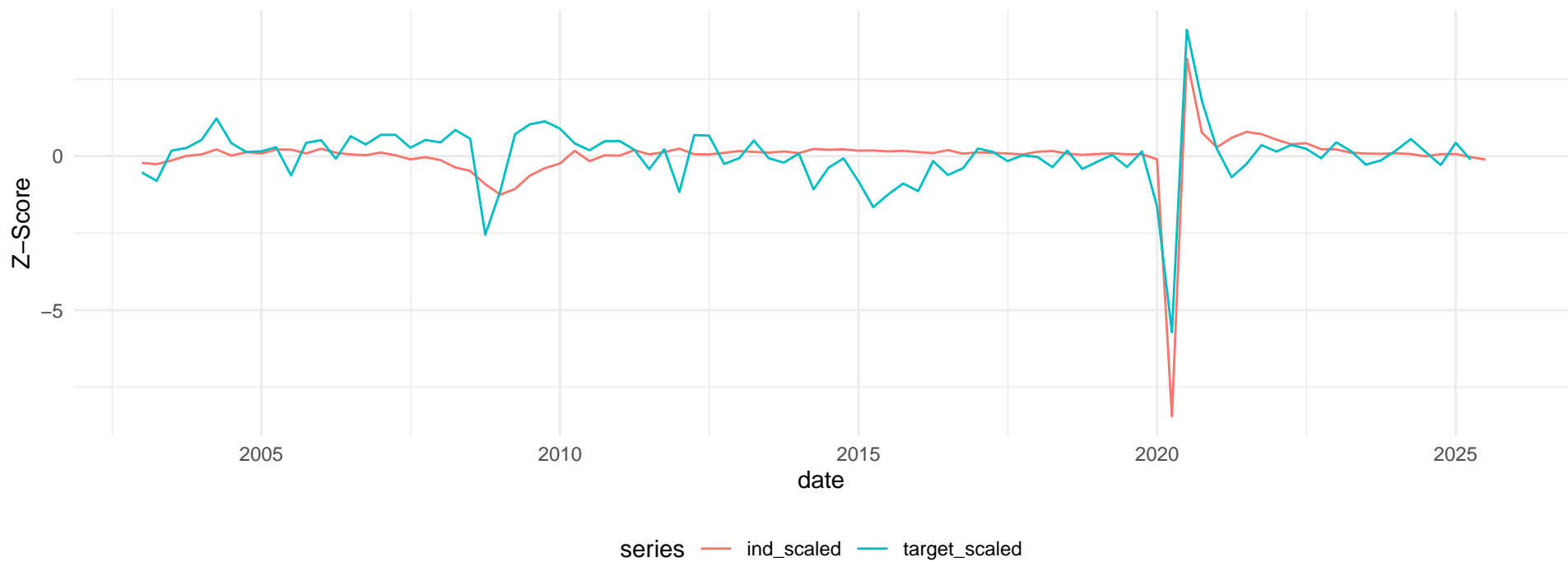
Scatter: DA3m\_EMPLOY\_NONFARM\_US vs Target  
Corr: 0.71



Cross-Correlation (Quarterly Lags): DA3m\_EMPLOY\_NONFARM\_US

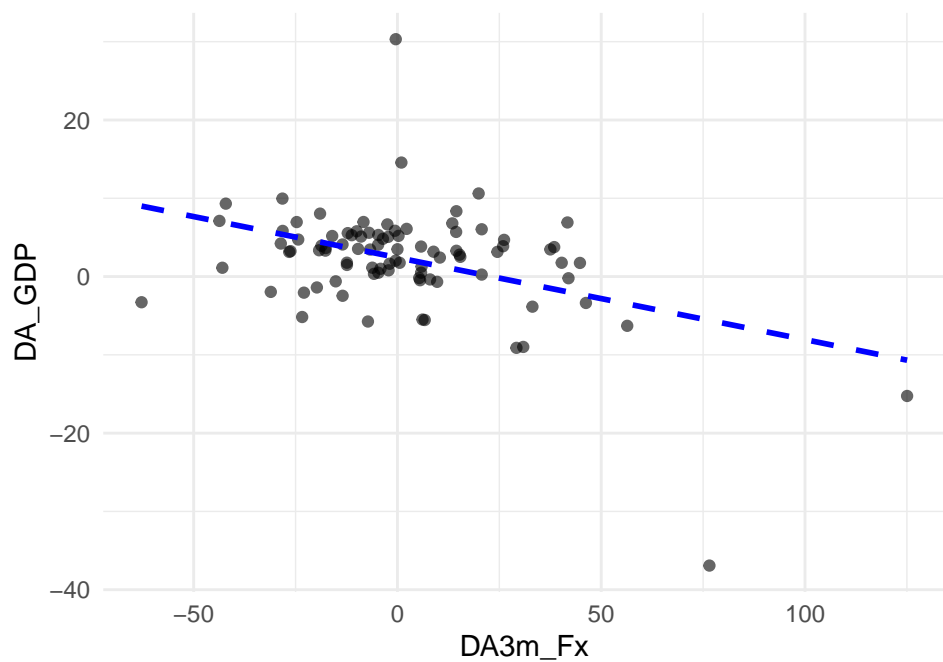


Standardized Time Series: DA3m\_EMPLOY\_NONFARM\_US

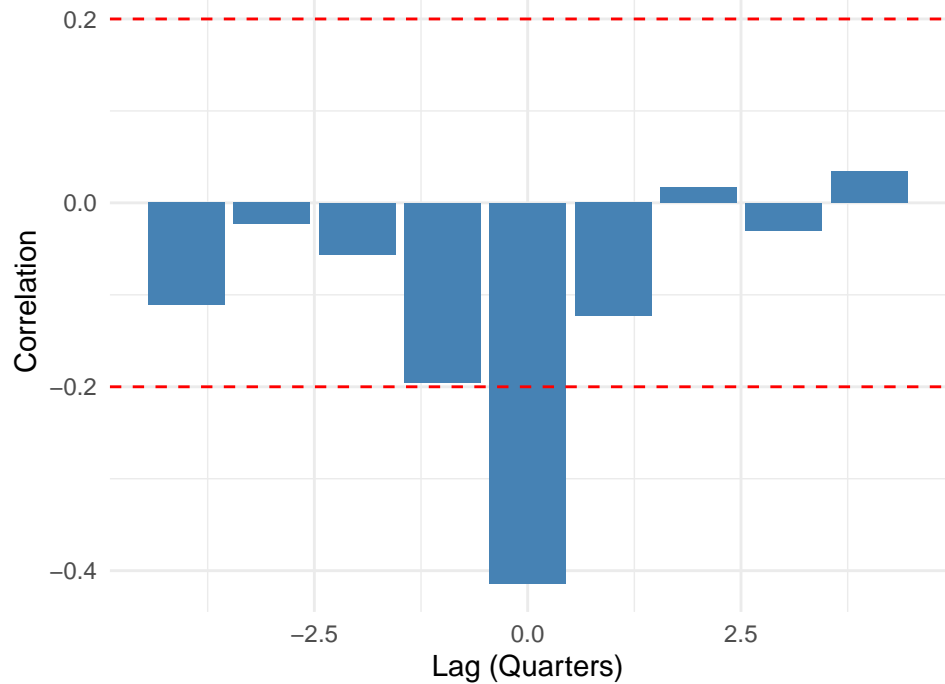


Scatter: DA3m\_Fx vs Target

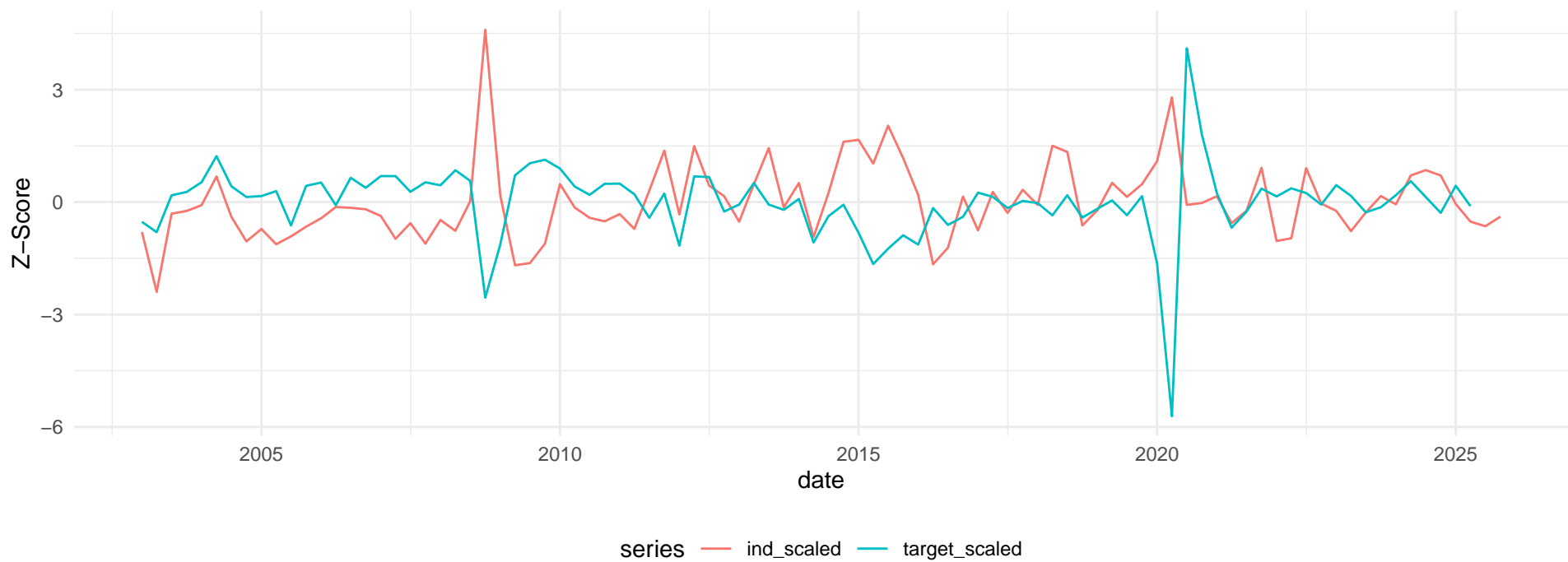
Corr: -0.41



Cross-Correlation (Quarterly Lags): DA3m\_Fx

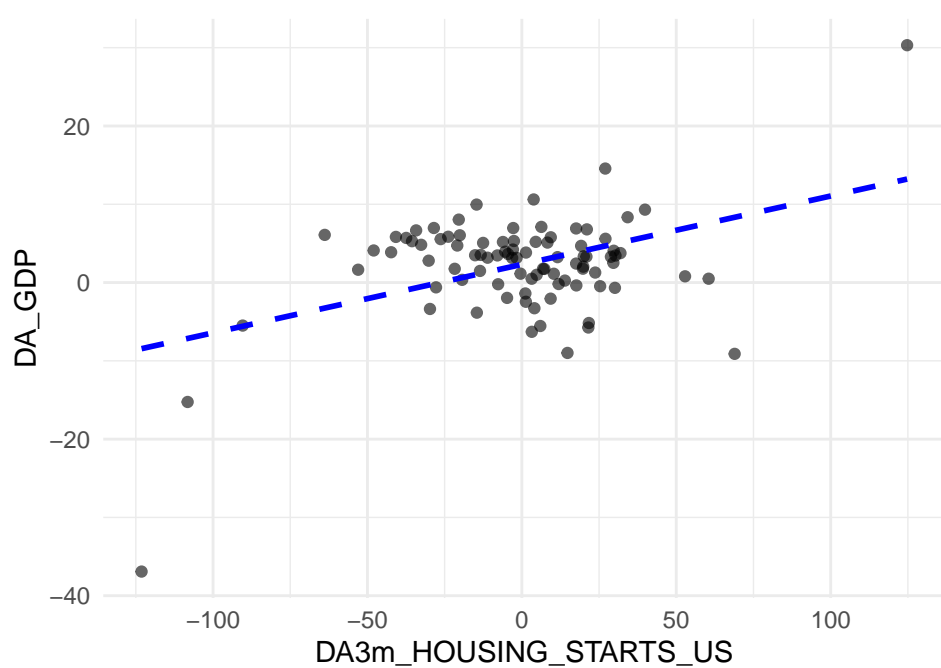


Standardized Time Series: DA3m\_Fx

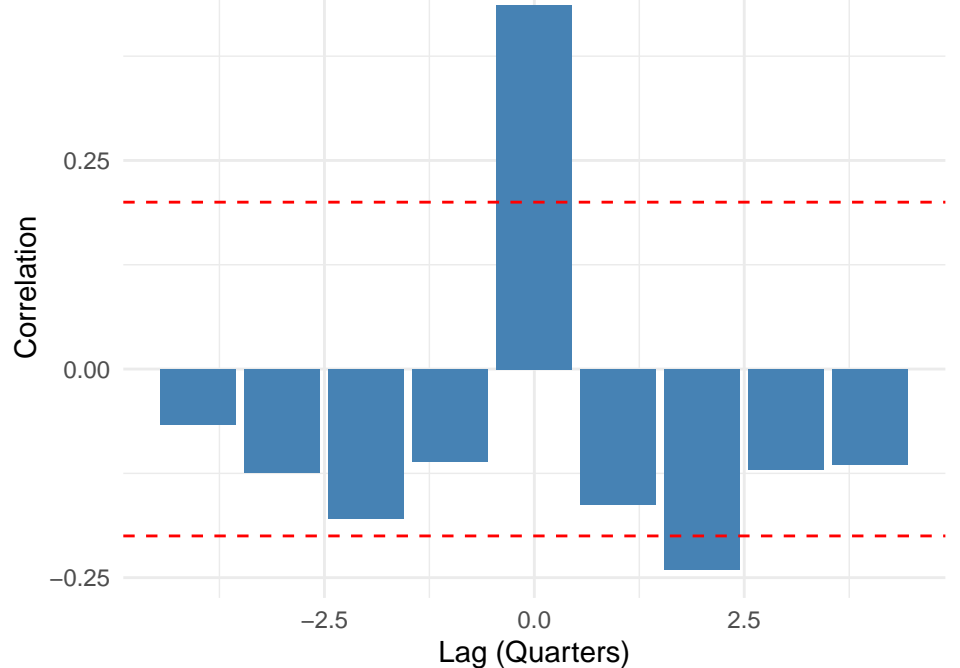


Scatter: DA3m\_HOUSING\_STARTS\_US vs Target

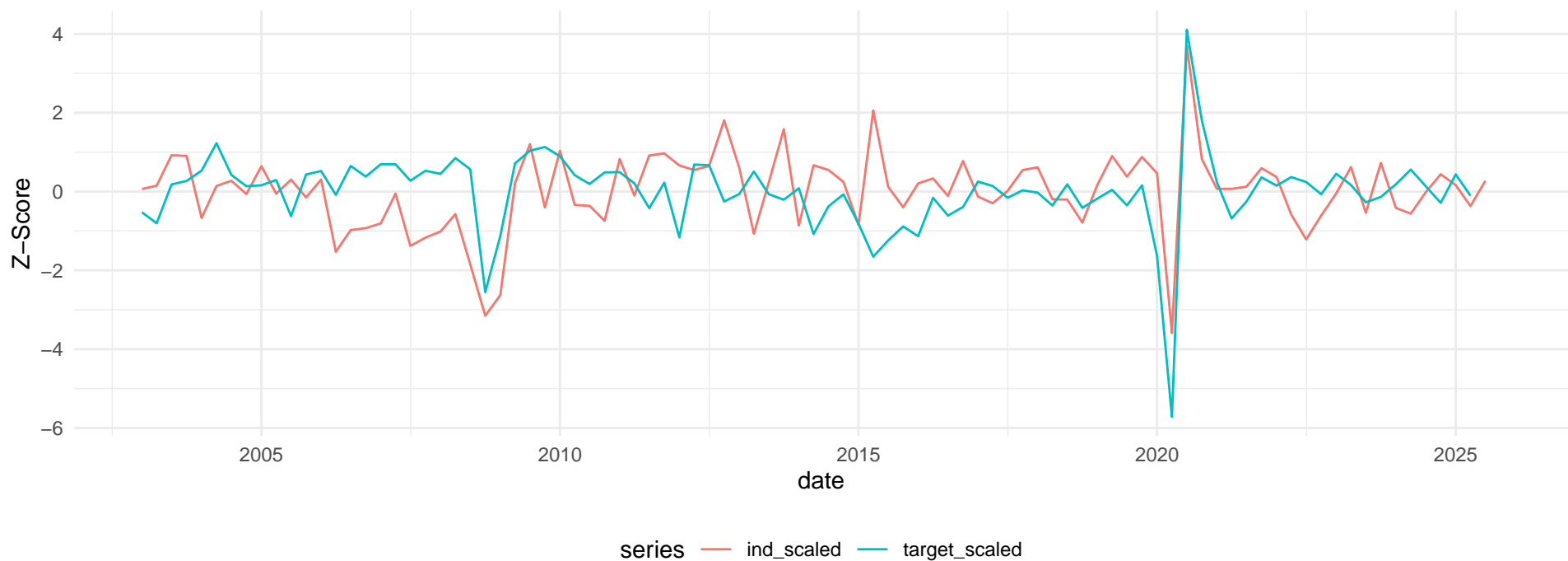
Corr: 0.44



Cross-Correlation (Quarterly Lags): DA3m\_HOUSING

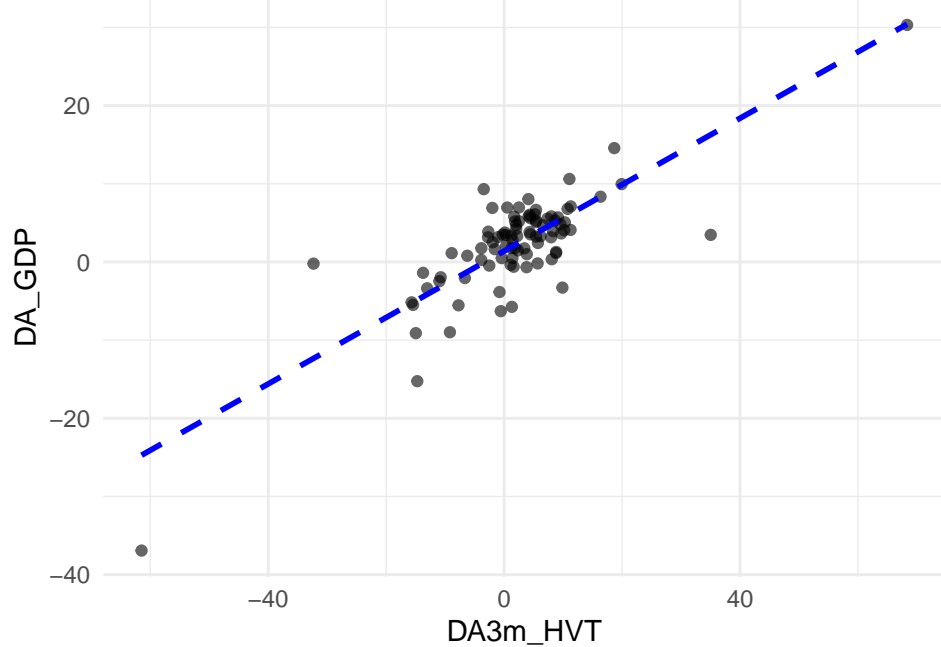


Standardized Time Series: DA3m\_HOUSING\_STARTS\_US

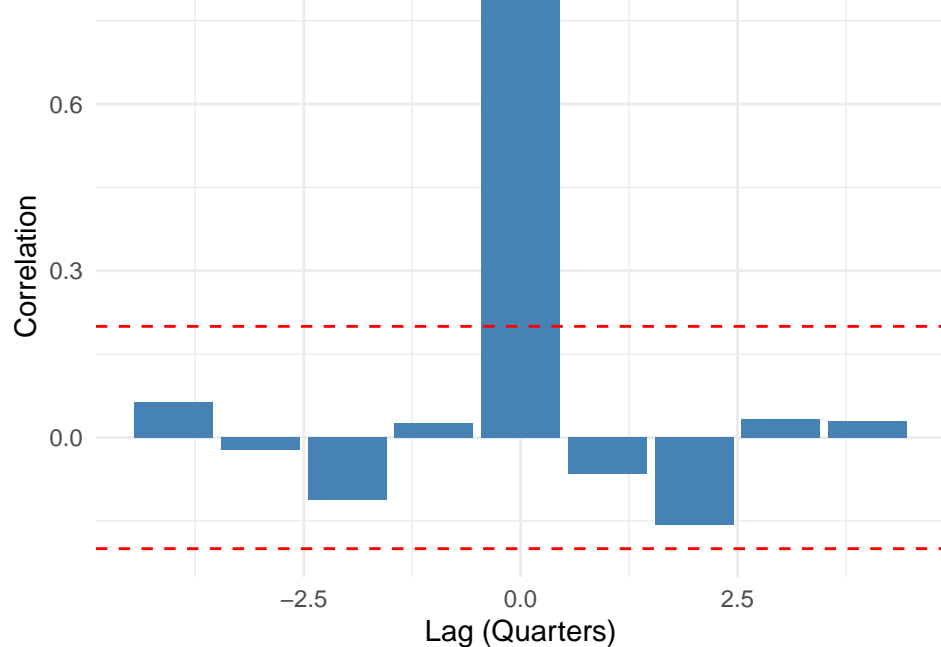


Scatter: DA3m\_HVT vs Target

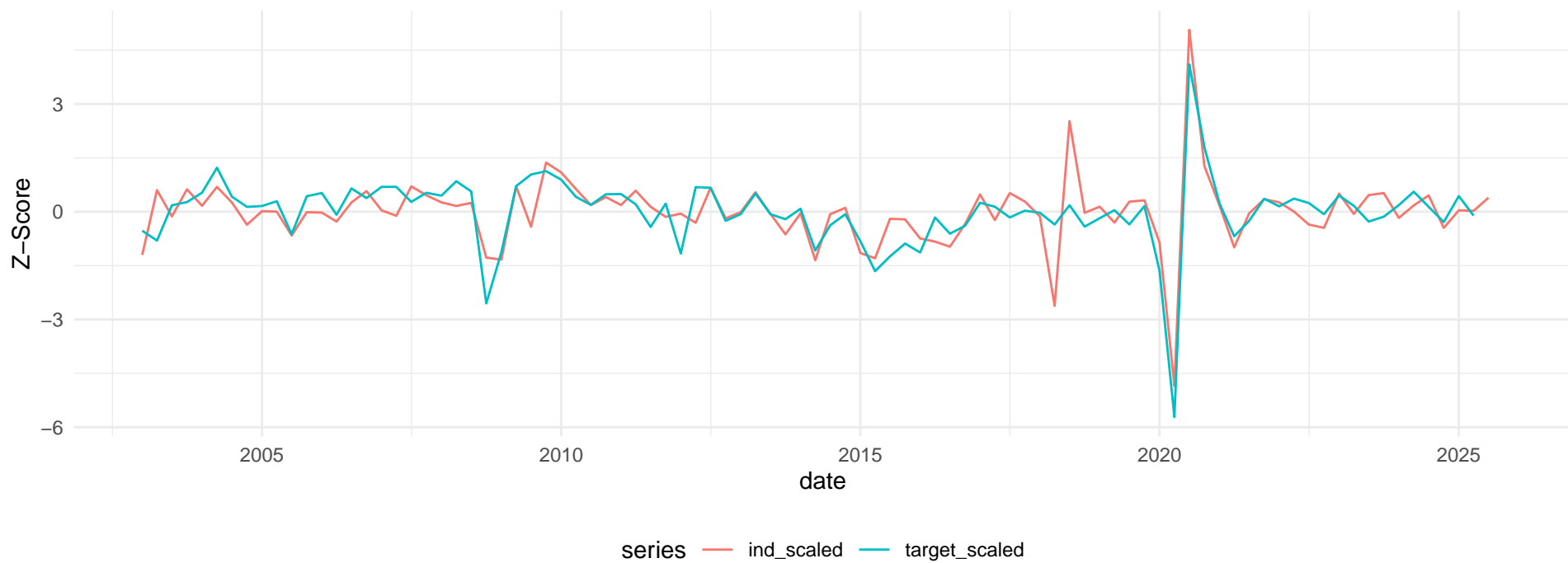
Corr: 0.82



Cross-Correlation (Quarterly Lags): DA3m\_HVT



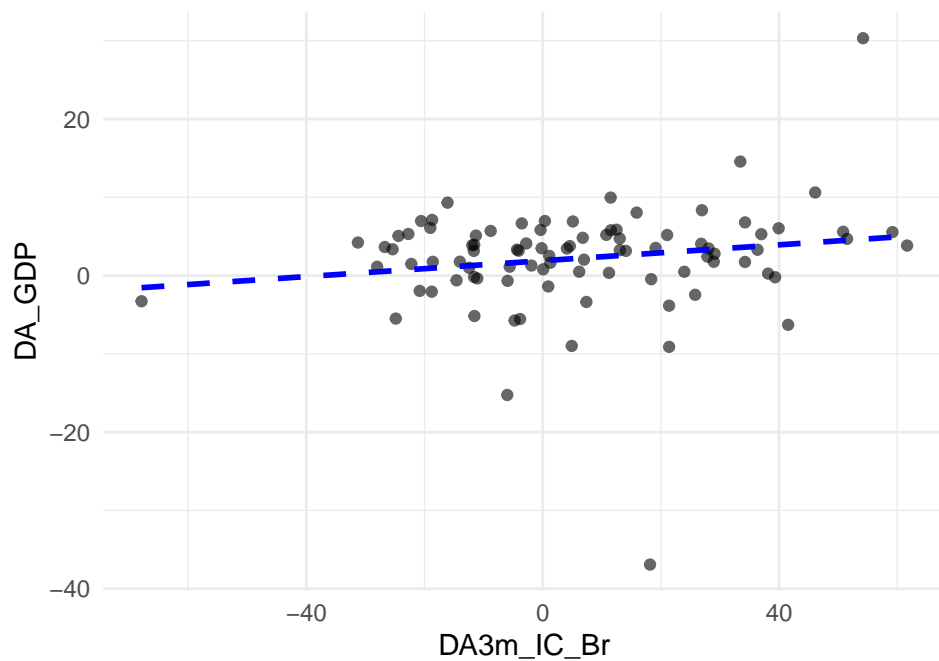
Standardized Time Series: DA3m\_HVT



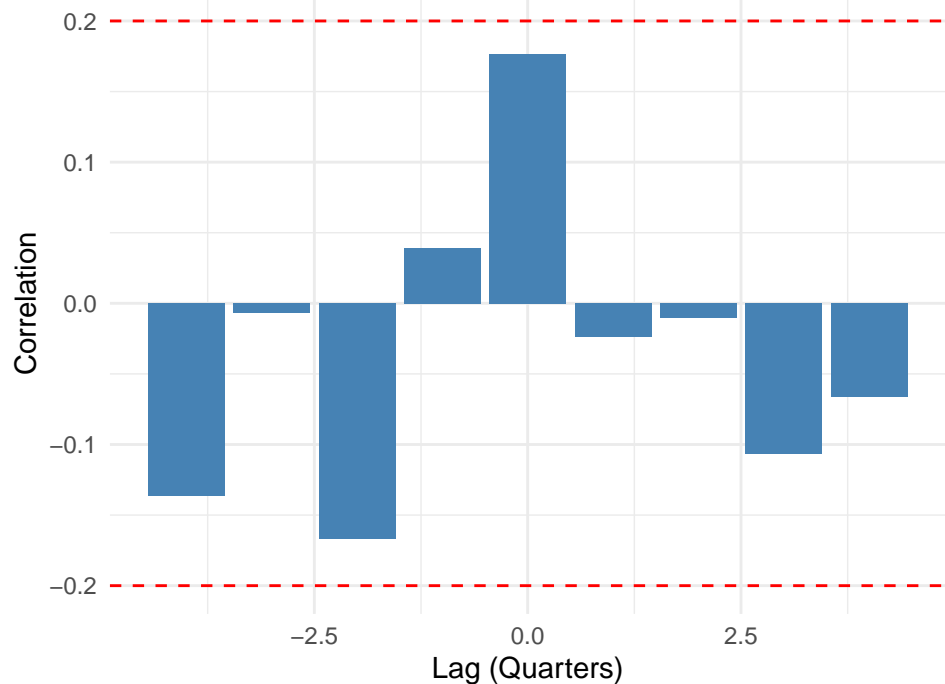


Scatter: DA3m\_IC\_Br vs Target

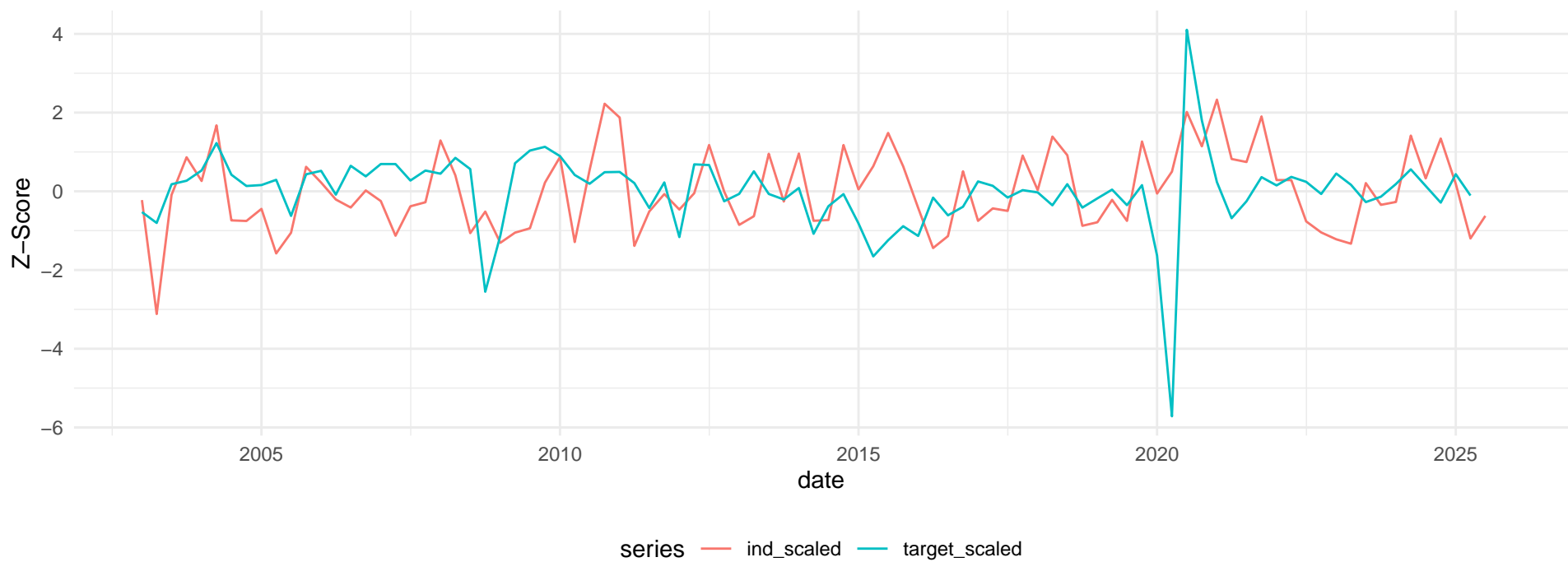
Corr: 0.18



Cross-Correlation (Quarterly Lags): DA3m\_IC\_Br

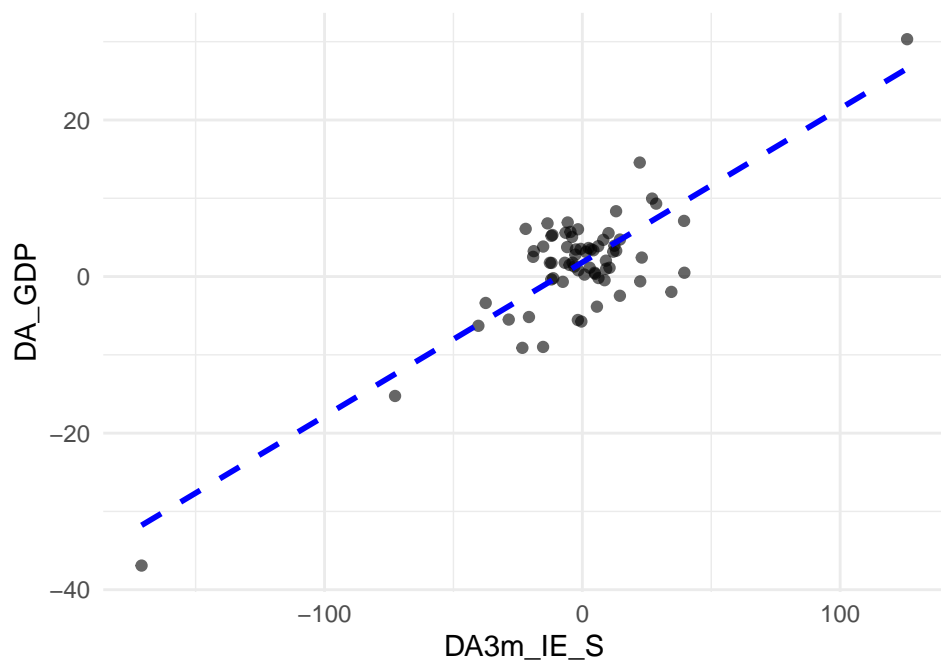


Standardized Time Series: DA3m\_IC\_Br

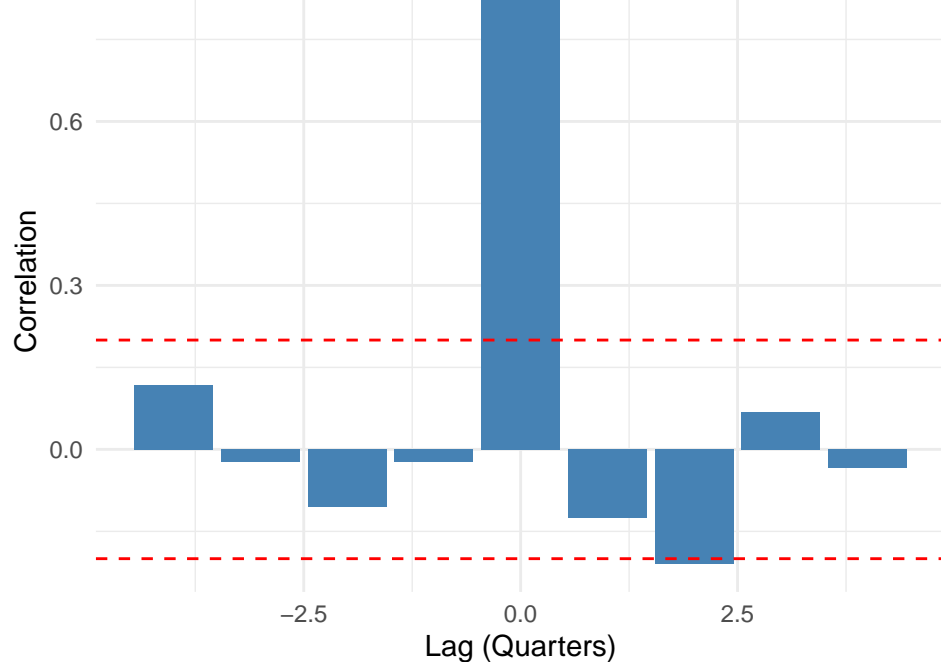


Scatter: DA3m\_IE\_S vs Target

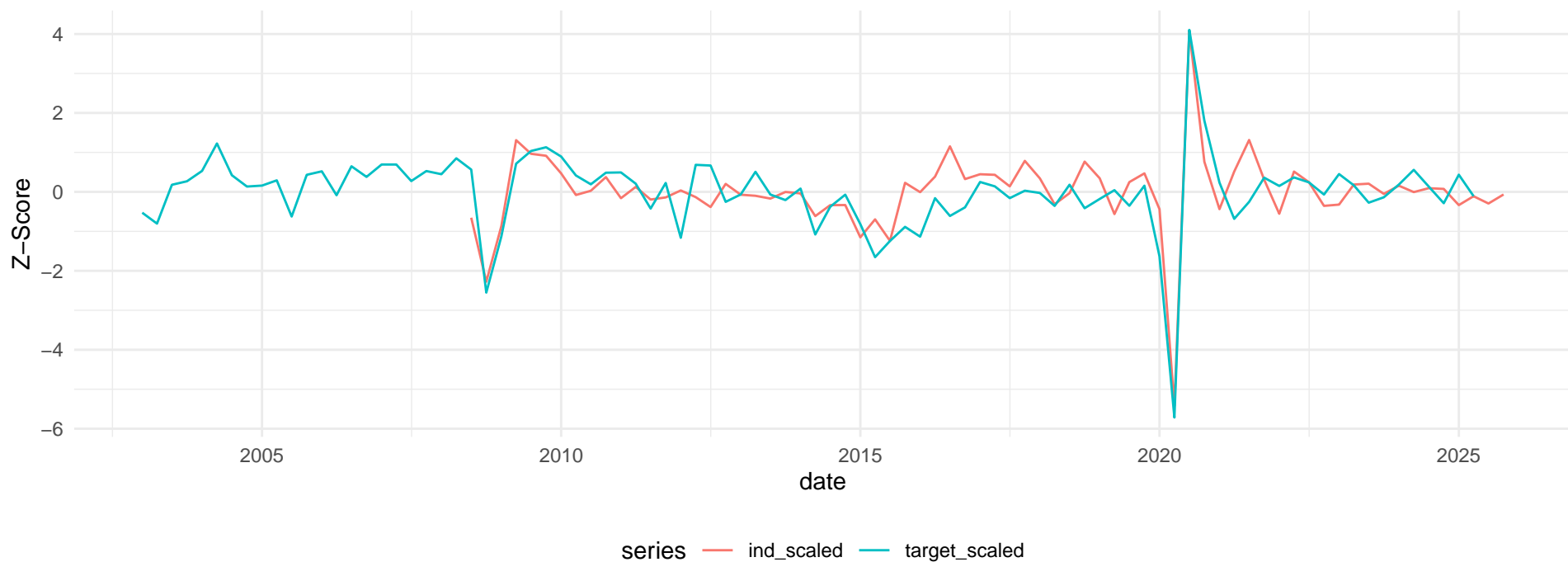
Corr: 0.82



Cross-Correlation (Quarterly Lags): DA3m\_IE\_S

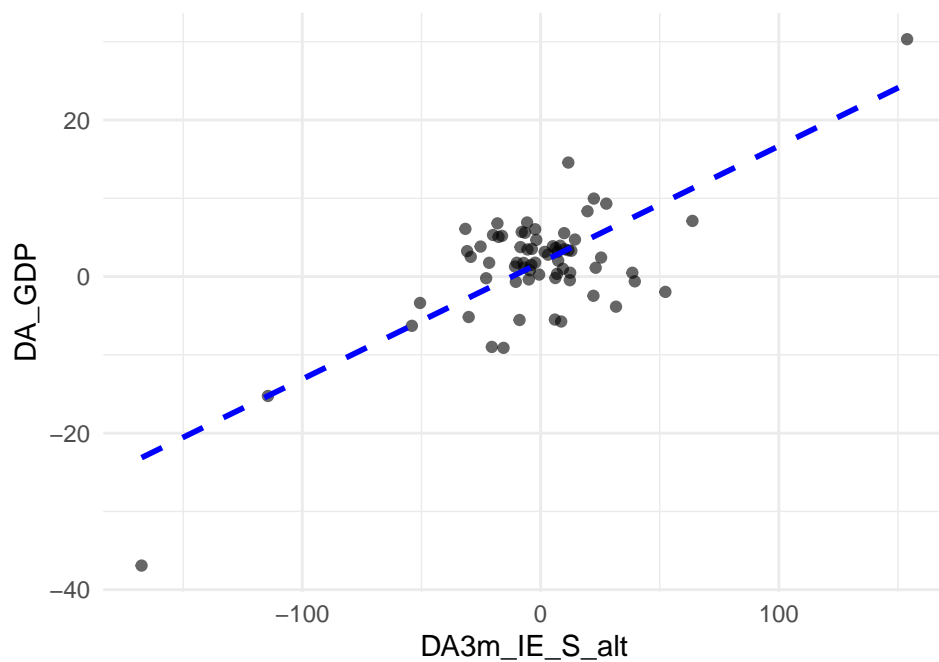


Standardized Time Series: DA3m\_IE\_S

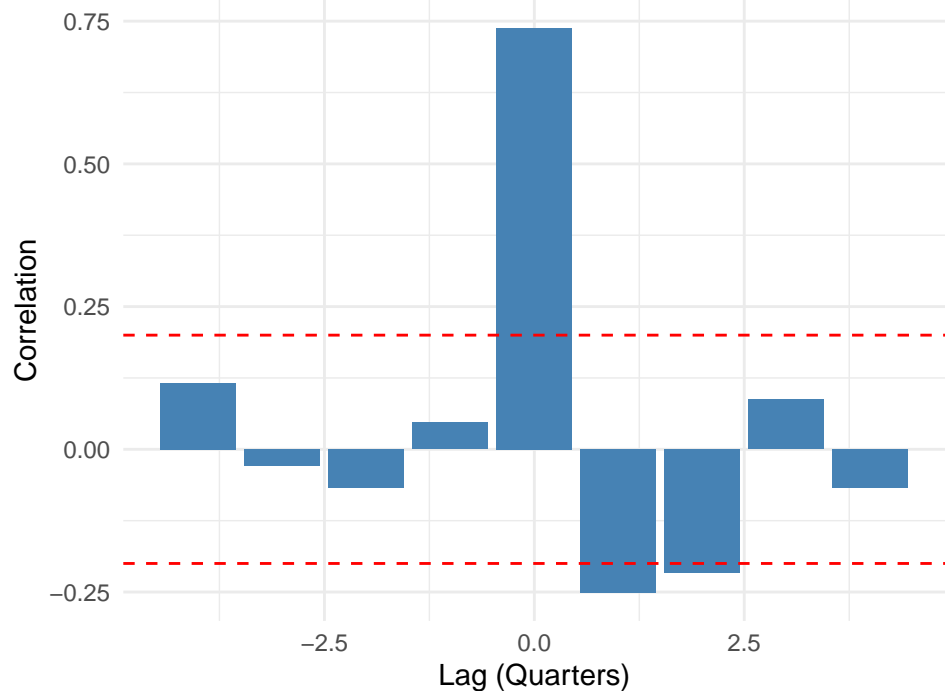


Scatter: DA3m\_IE\_S\_alt vs Target

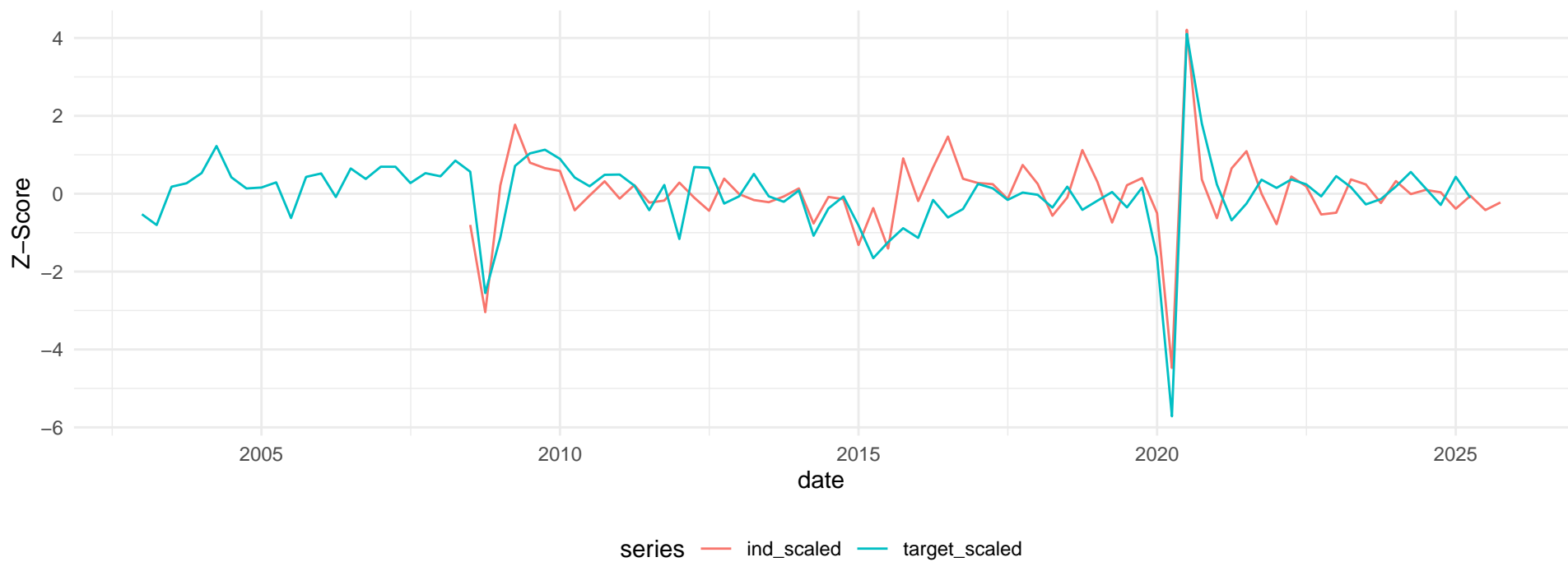
Corr: 0.74



Cross-Correlation (Quarterly Lags): DA3m\_IE\_S\_alt

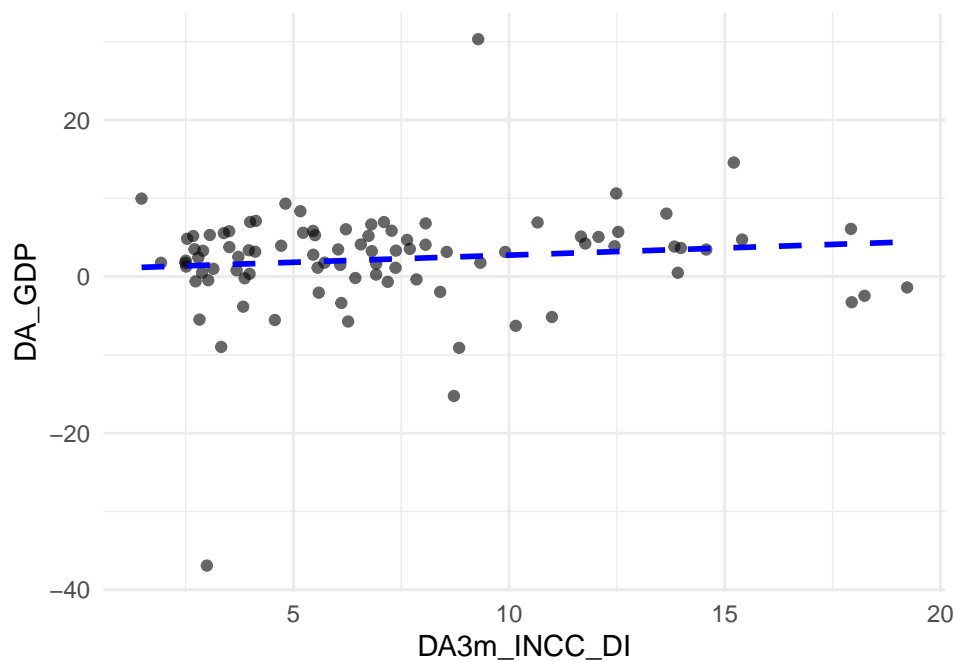


Standardized Time Series: DA3m\_IE\_S\_alt

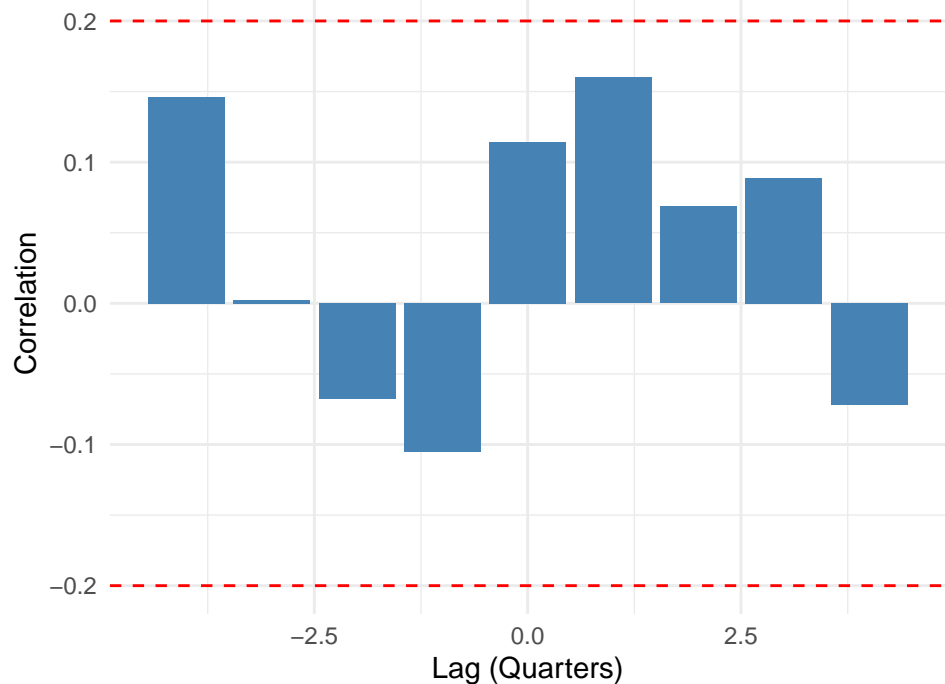


Scatter: DA3m\_INCC\_DI vs Target

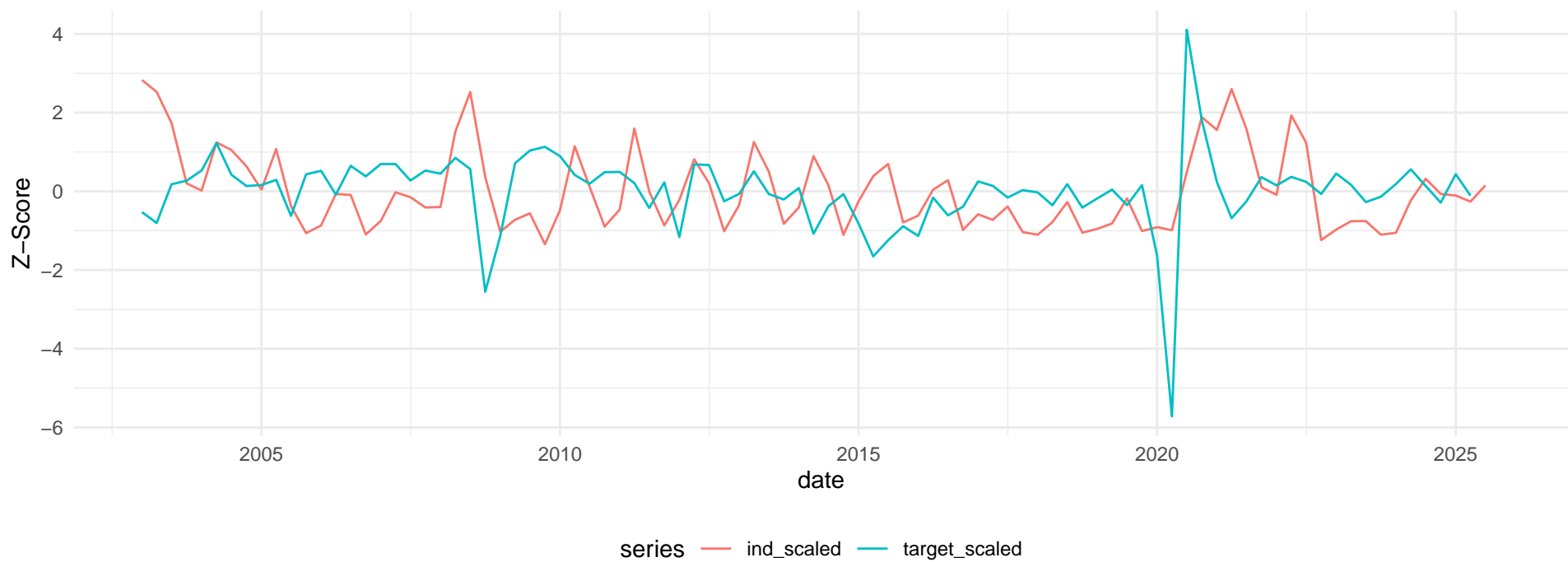
Corr: 0.11



Cross-Correlation (Quarterly Lags): DA3m\_INCC\_DI

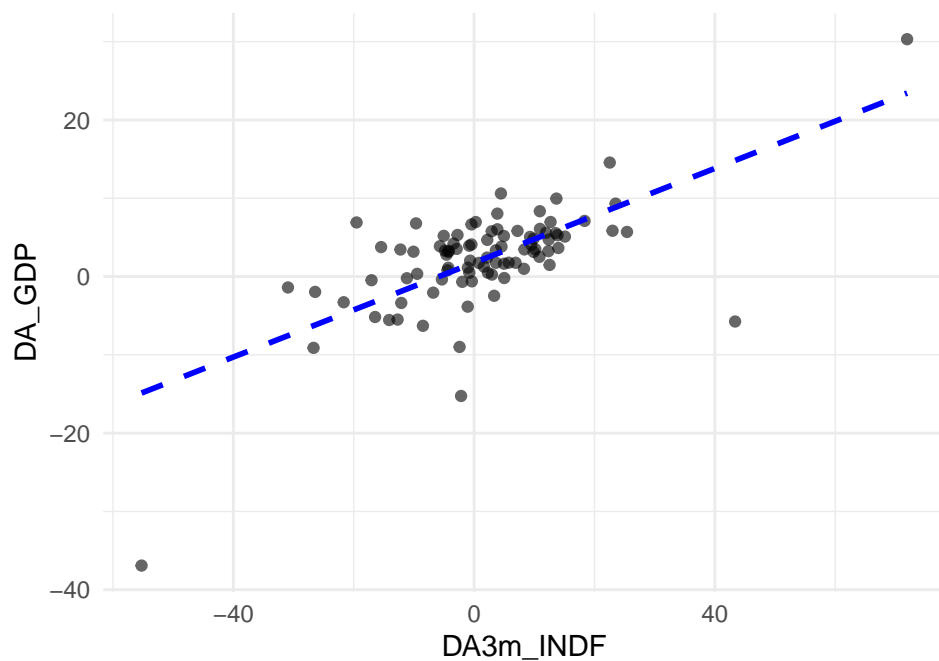


Standardized Time Series: DA3m\_INCC\_DI

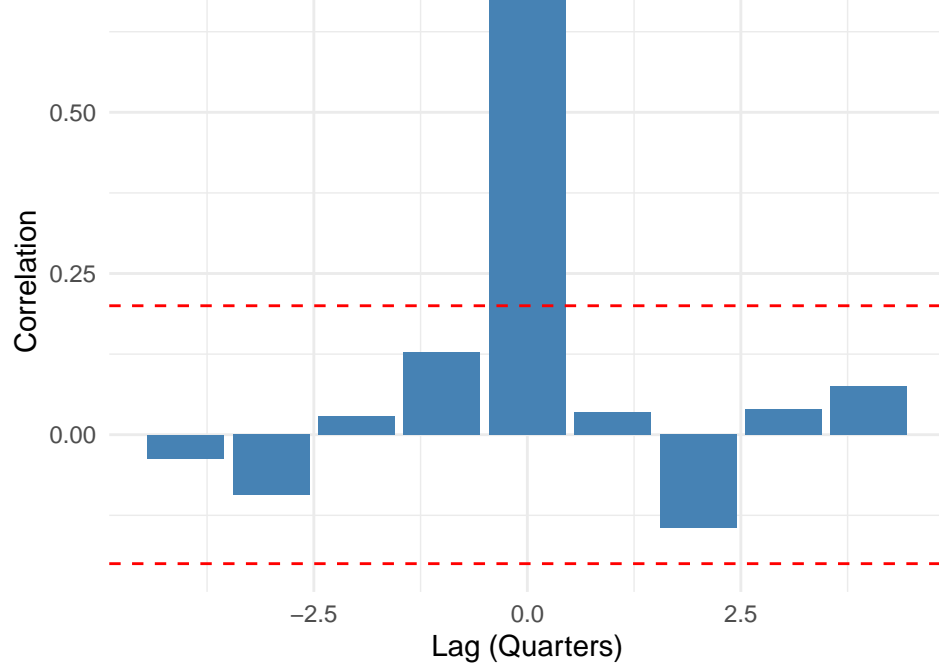


Scatter: DA3m\_INDF vs Target

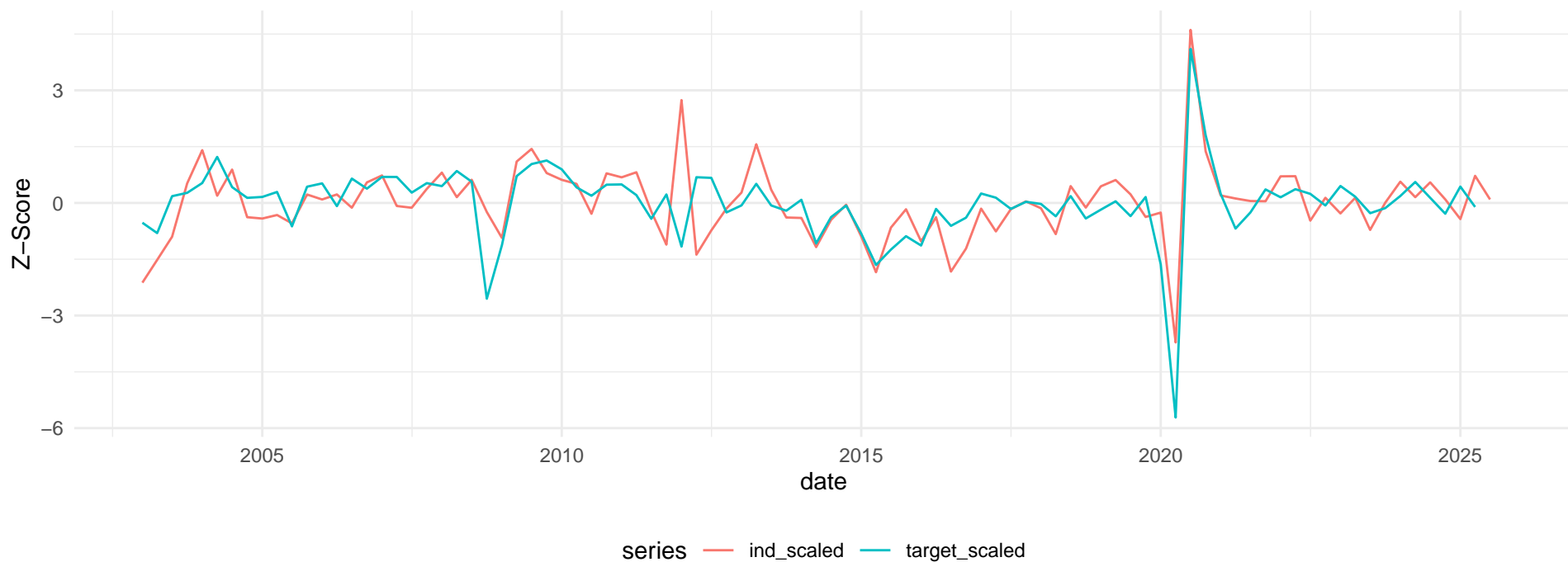
Corr: 0.68



Cross-Correlation (Quarterly Lags): DA3m\_INDF

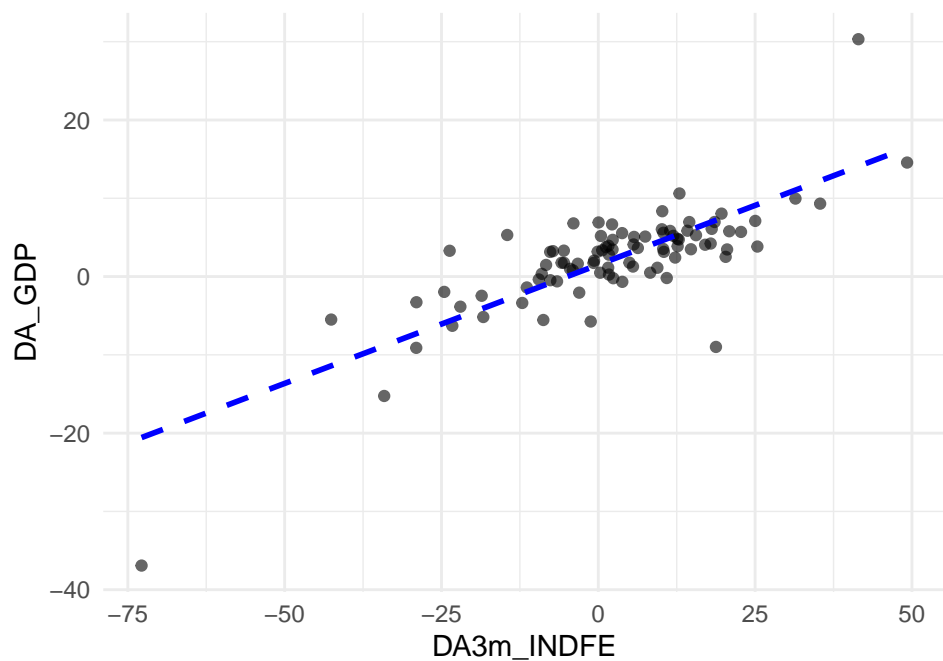


Standardized Time Series: DA3m\_INDF

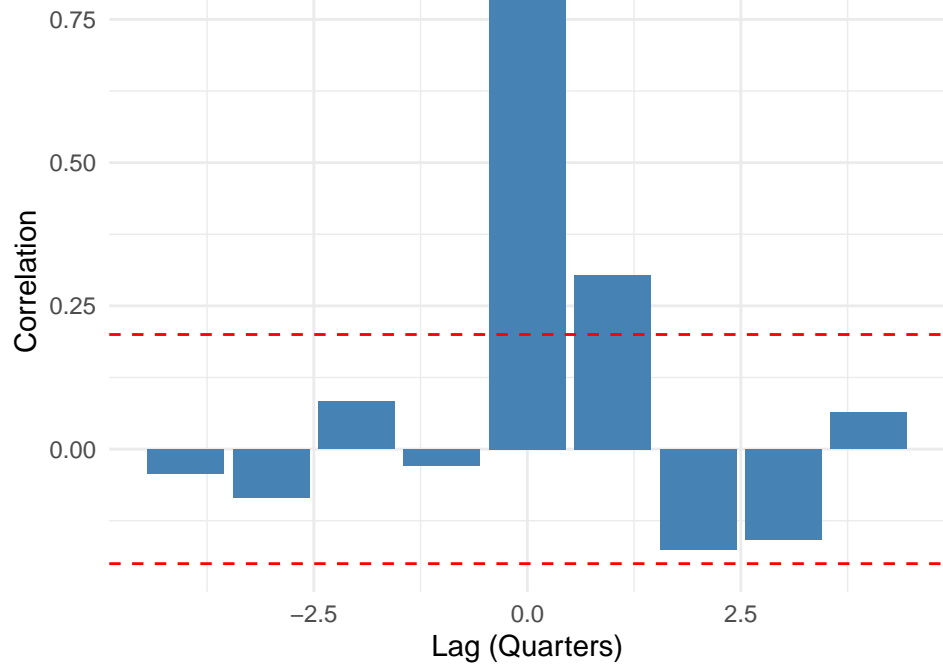


Scatter: DA3m\_INDFE vs Target

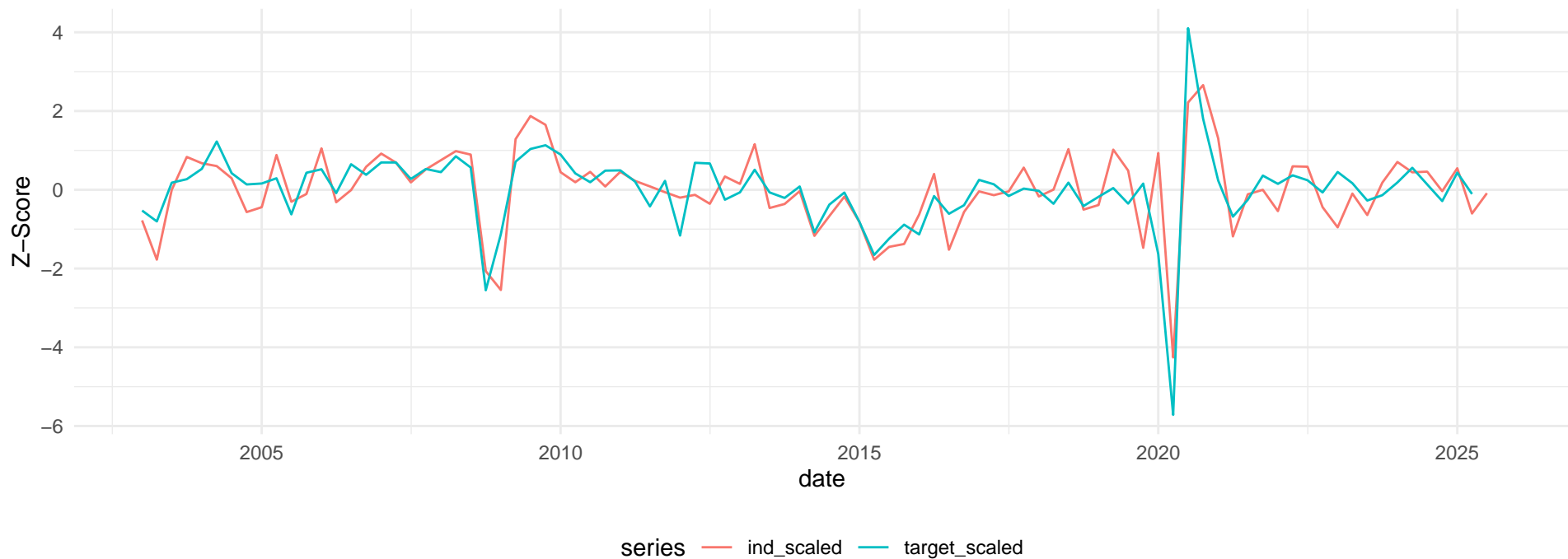
Corr: 0.79



Cross-Correlation (Quarterly Lags): DA3m\_INDFE

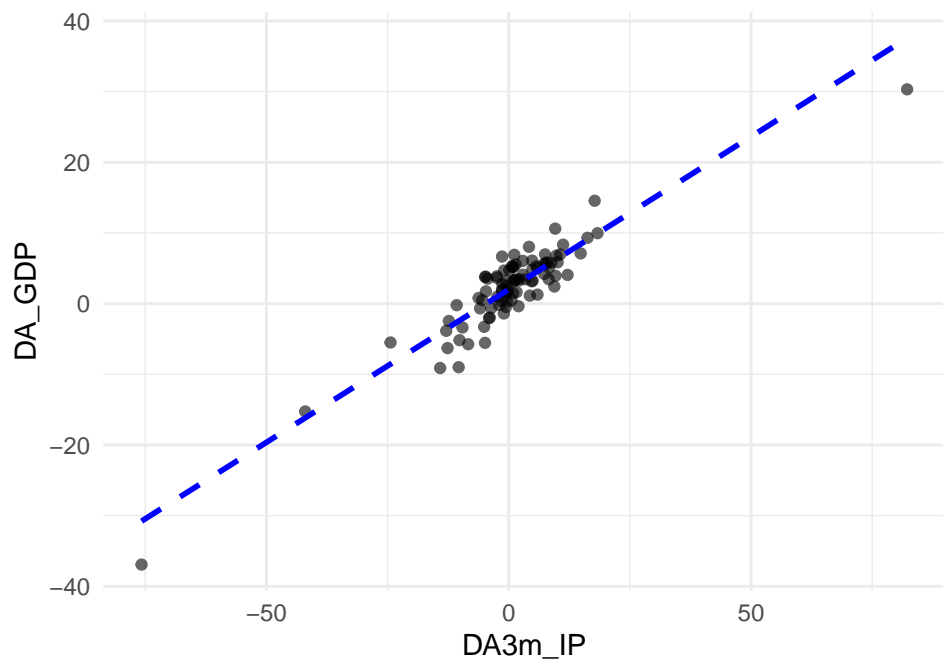


Standardized Time Series: DA3m\_INDFE

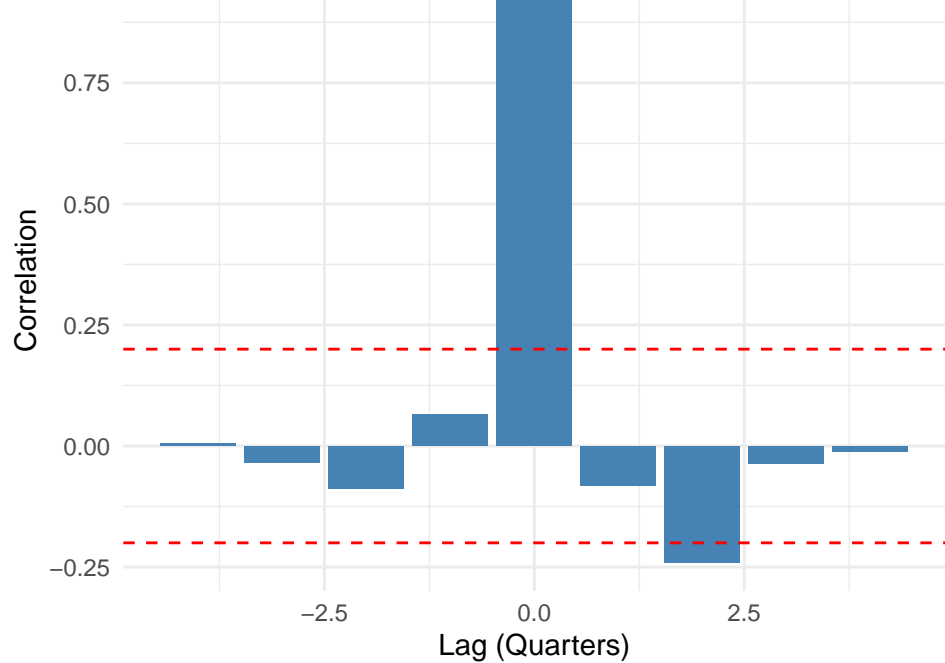


Scatter: DA3m\_IP vs Target

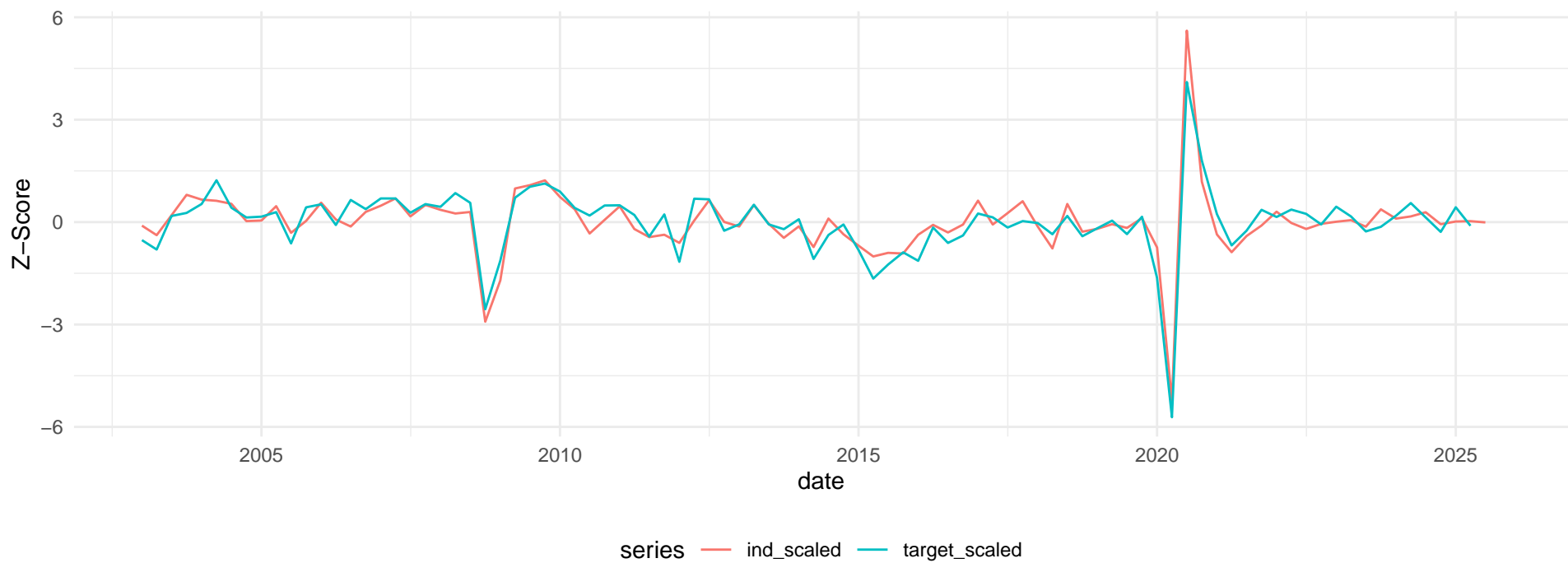
Corr: 0.93



Cross-Correlation (Quarterly Lags): DA3m\_IP

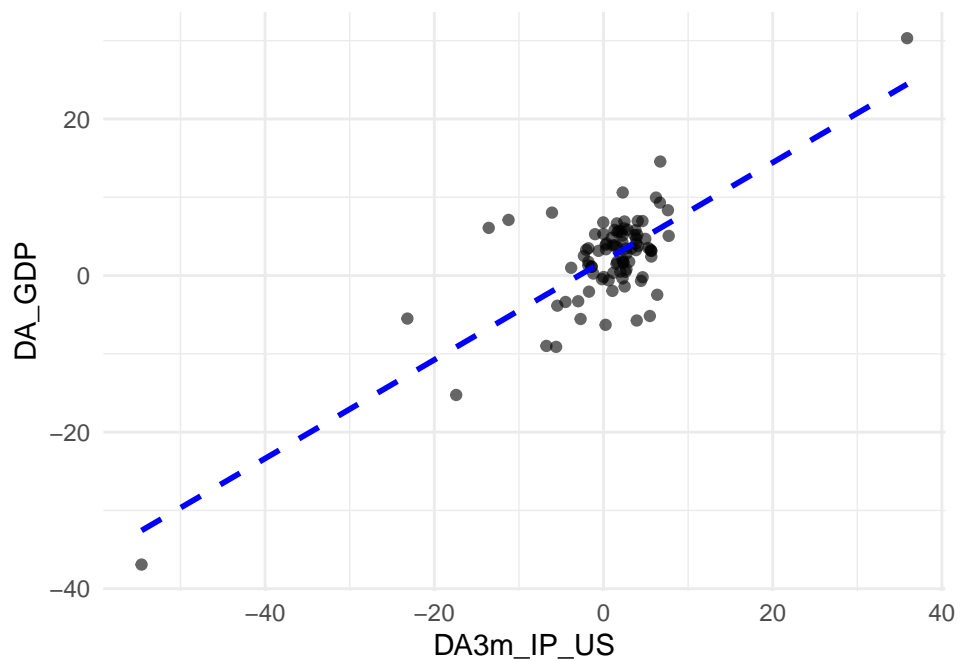


Standardized Time Series: DA3m\_IP

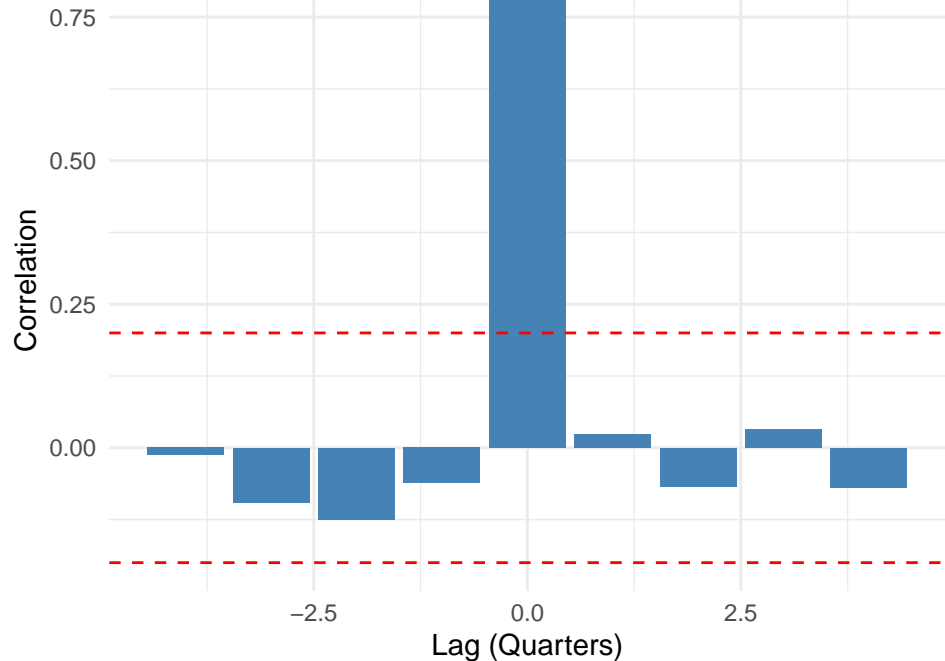


Scatter: DA3m\_IP\_US vs Target

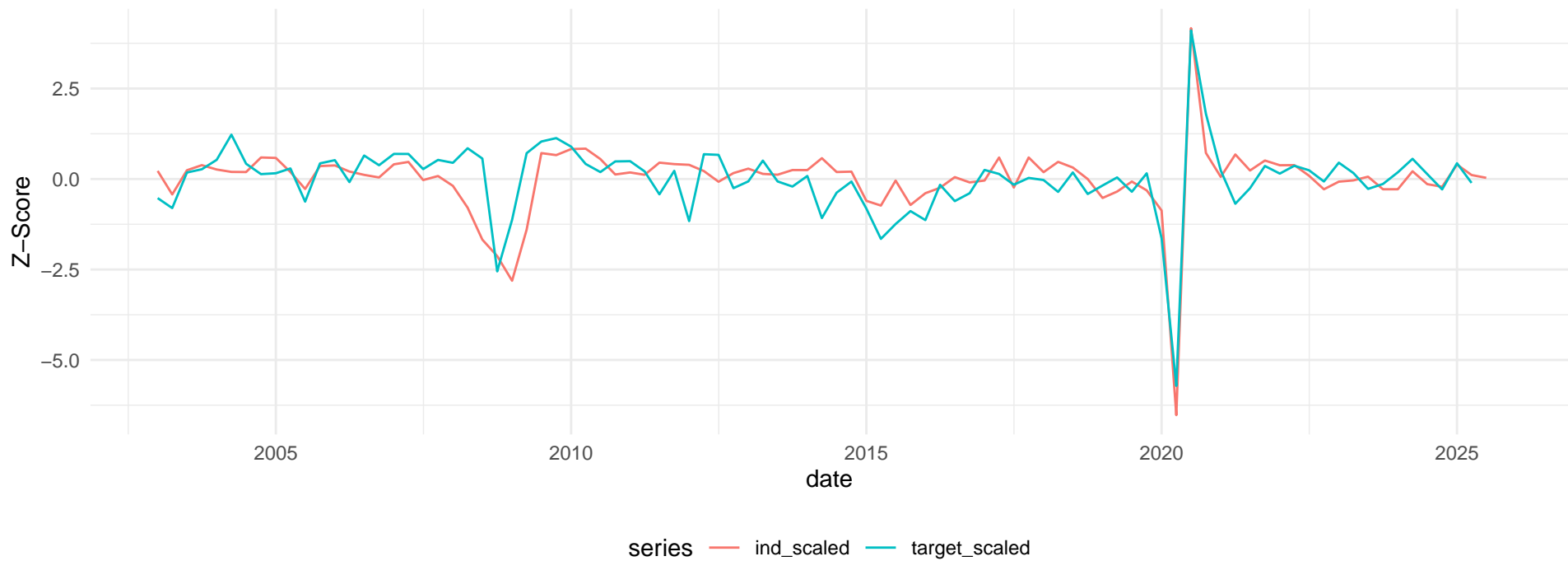
Corr: 0.78



Cross-Correlation (Quarterly Lags): DA3m\_IP\_US



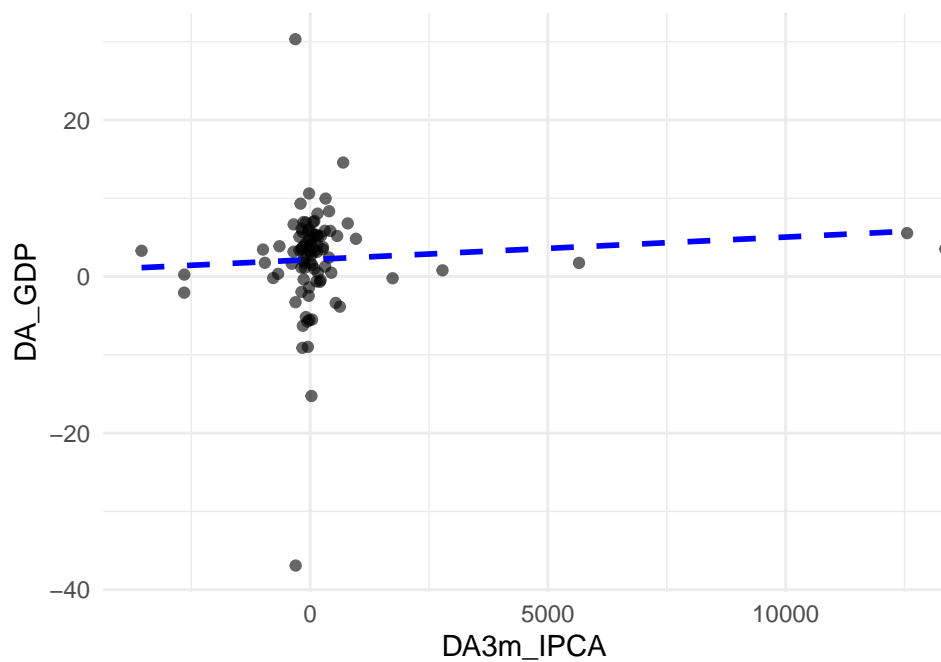
Standardized Time Series: DA3m\_IP\_US



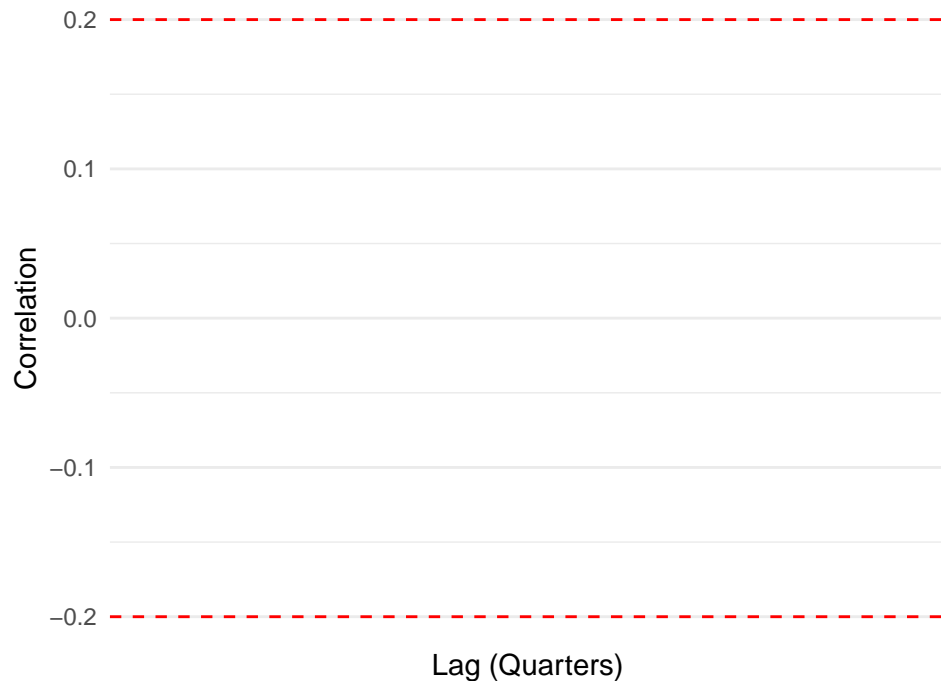


Scatter: DA3m\_IPCA vs Target

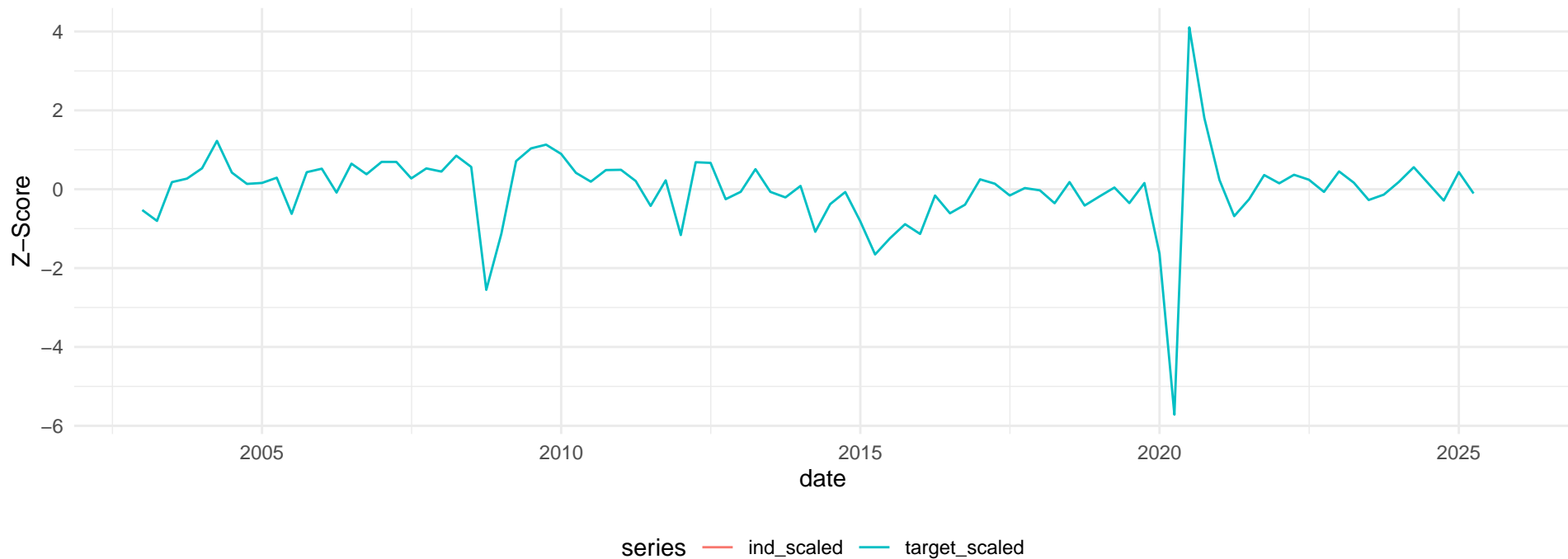
Corr: NaN



Cross-Correlation (Quarterly Lags): DA3m\_IPCA

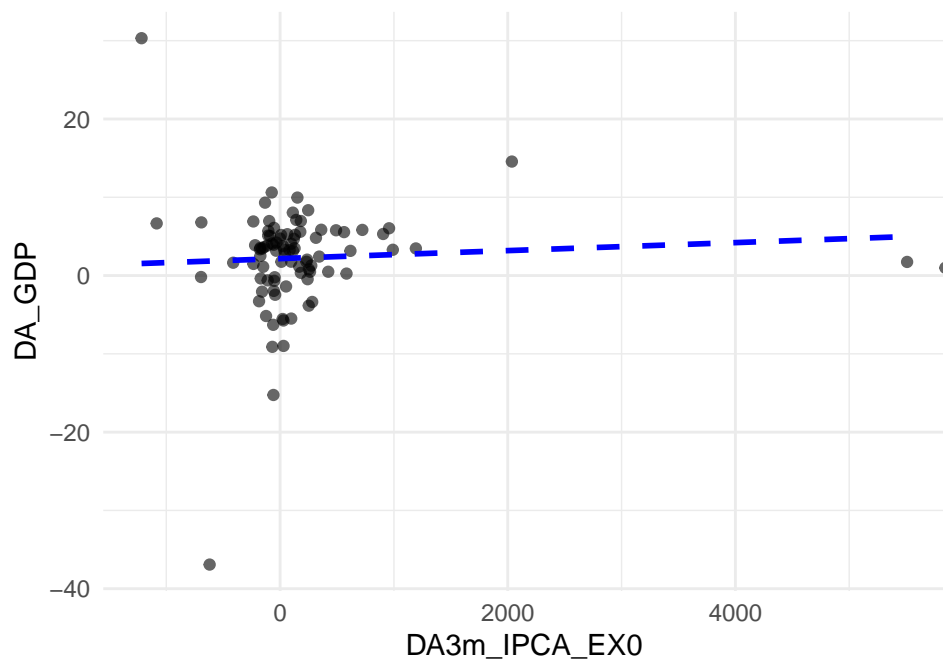


Standardized Time Series: DA3m\_IPCA

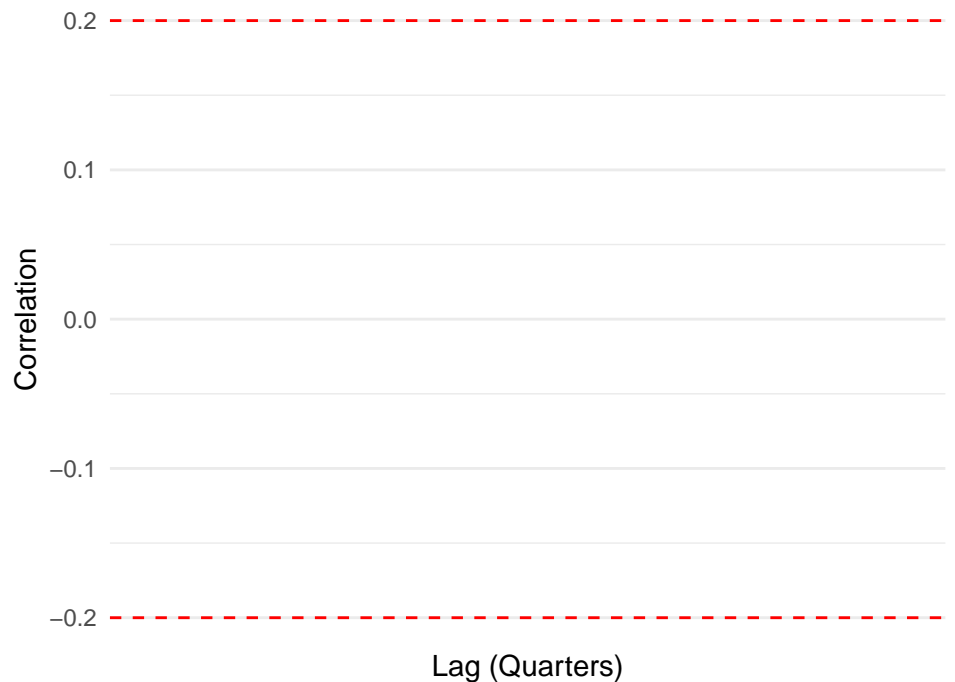


Scatter: DA3m\_IPCA\_EX0 vs Target

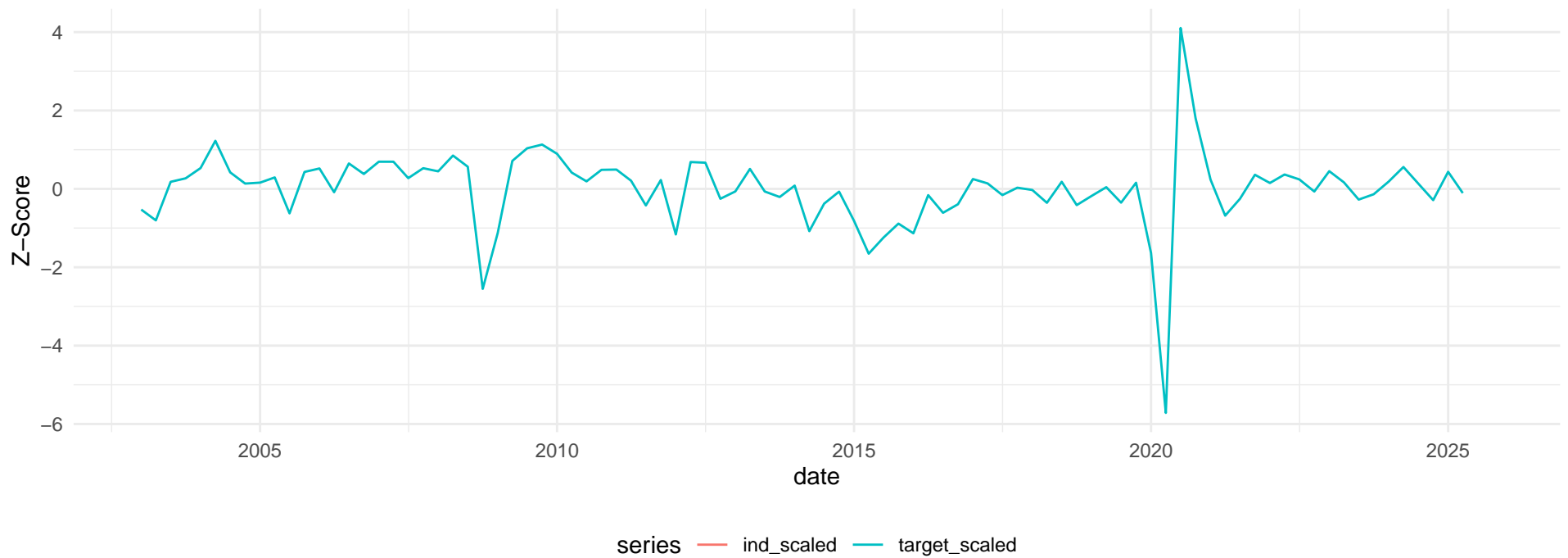
Corr: NaN



Cross-Correlation (Quarterly Lags): DA3m\_IPCA\_EX0

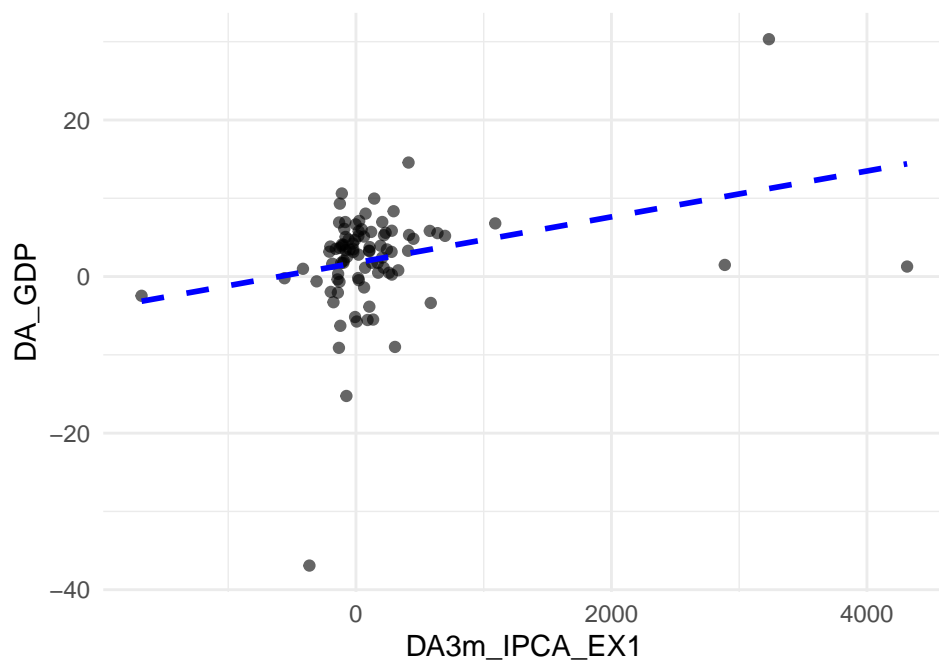


Standardized Time Series: DA3m\_IPCA\_EX0

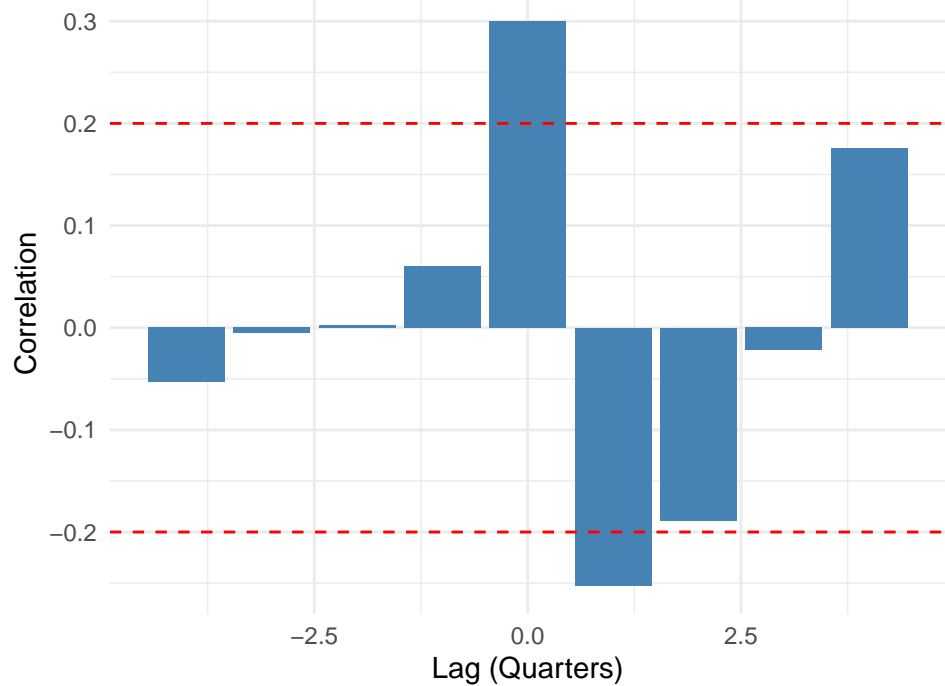


Scatter: DA3m\_IPCA\_EX1 vs Target

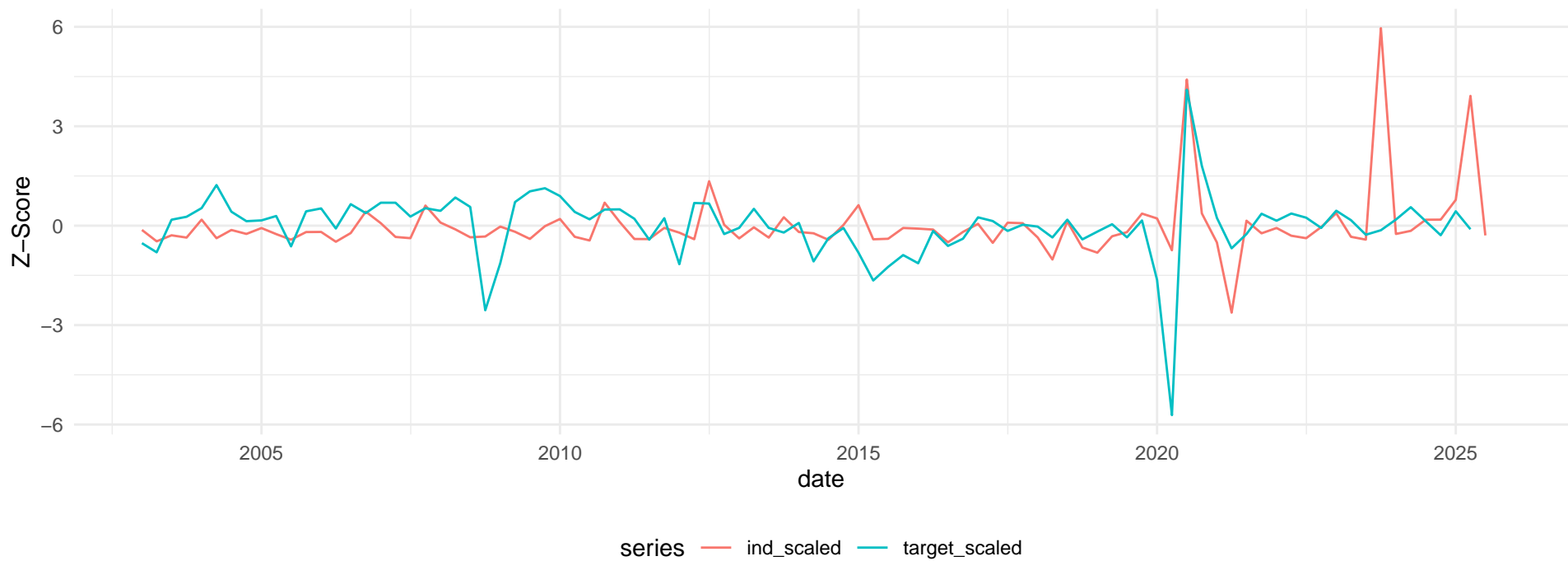
Corr: 0.3



Cross-Correlation (Quarterly Lags): DA3m\_IPCA\_EX1

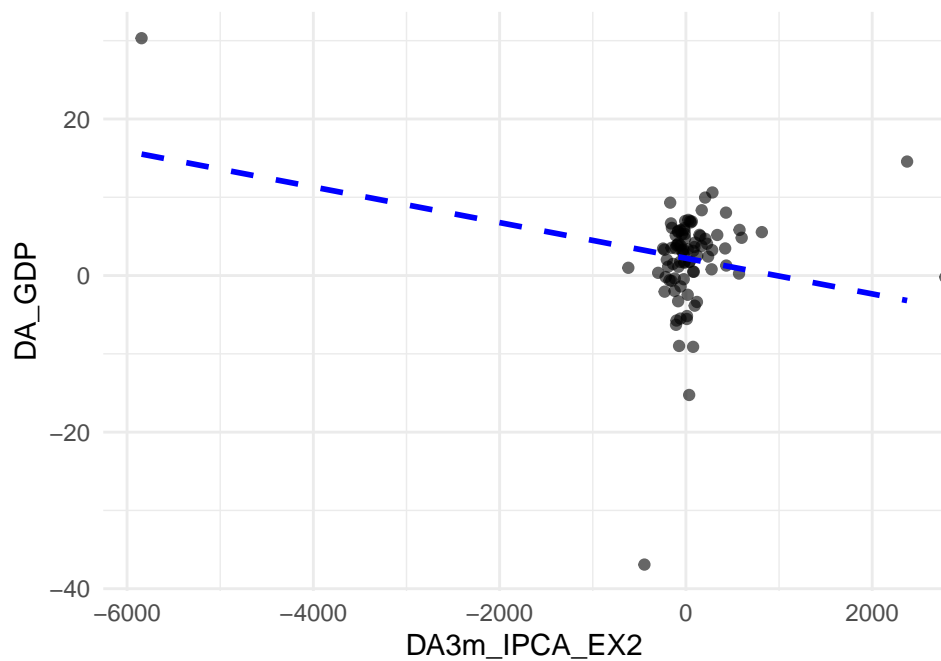


Standardized Time Series: DA3m\_IPCA\_EX1

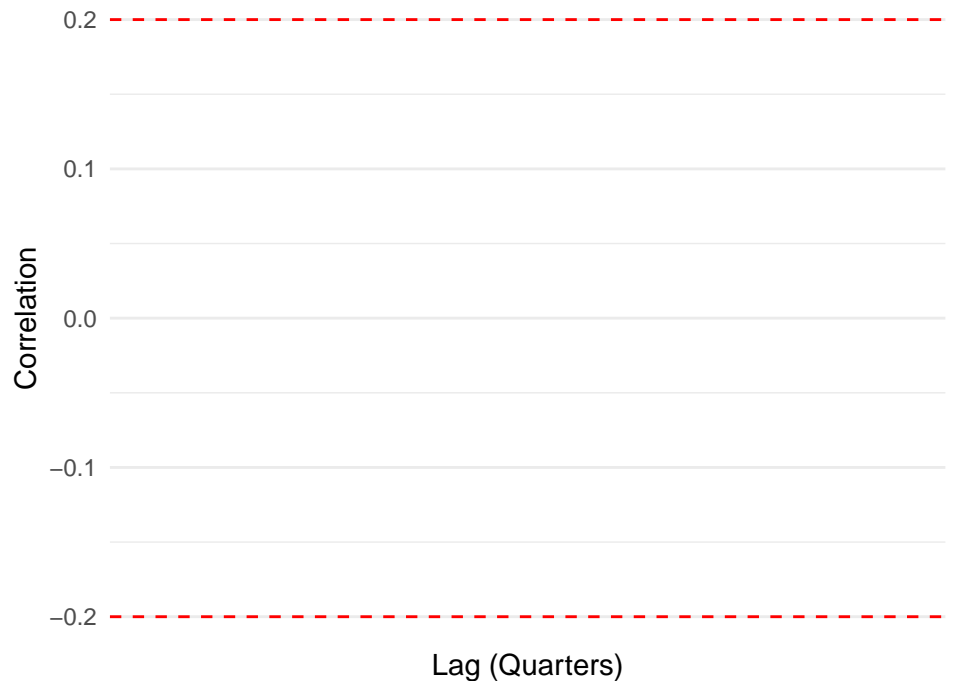


Scatter: DA3m\_IPCA\_EX2 vs Target

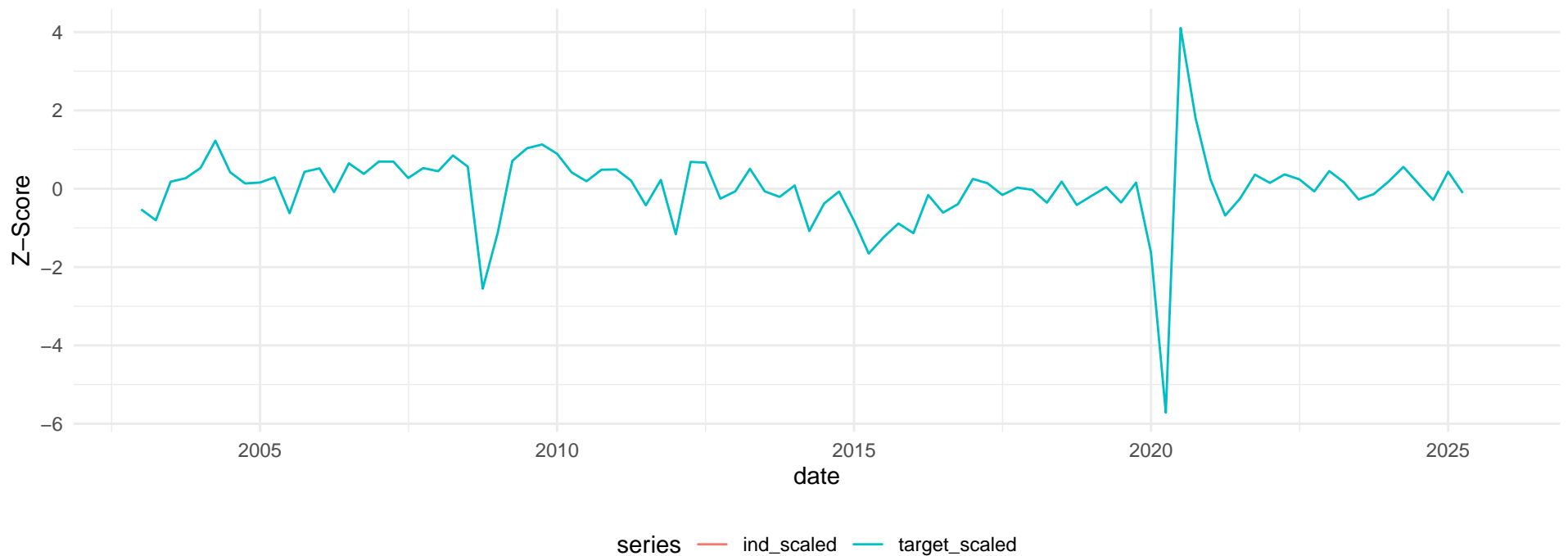
Corr: NaN



Cross-Correlation (Quarterly Lags): DA3m\_IPCA\_EX2

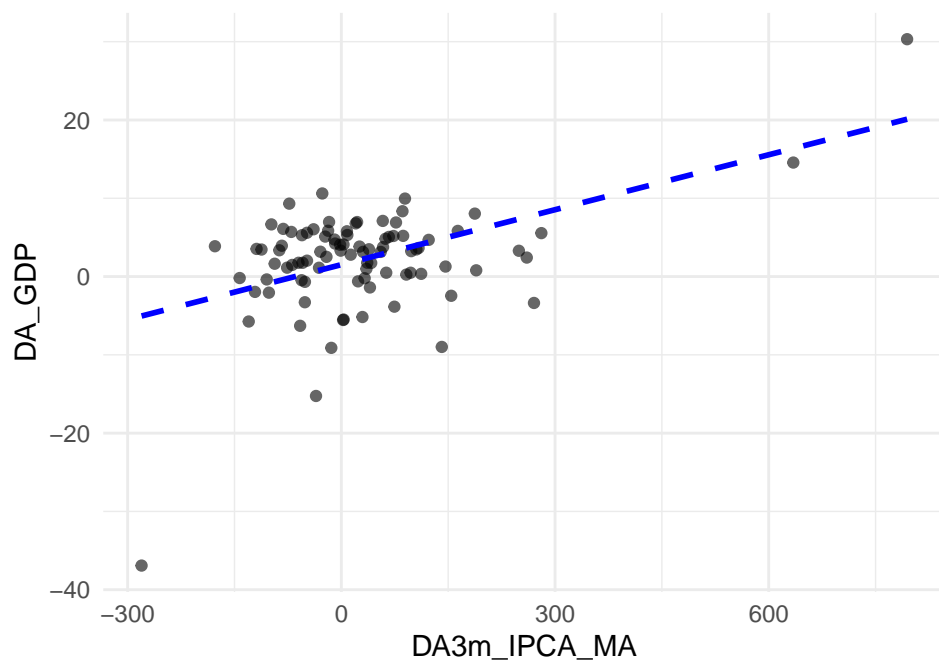


Standardized Time Series: DA3m\_IPCA\_EX2

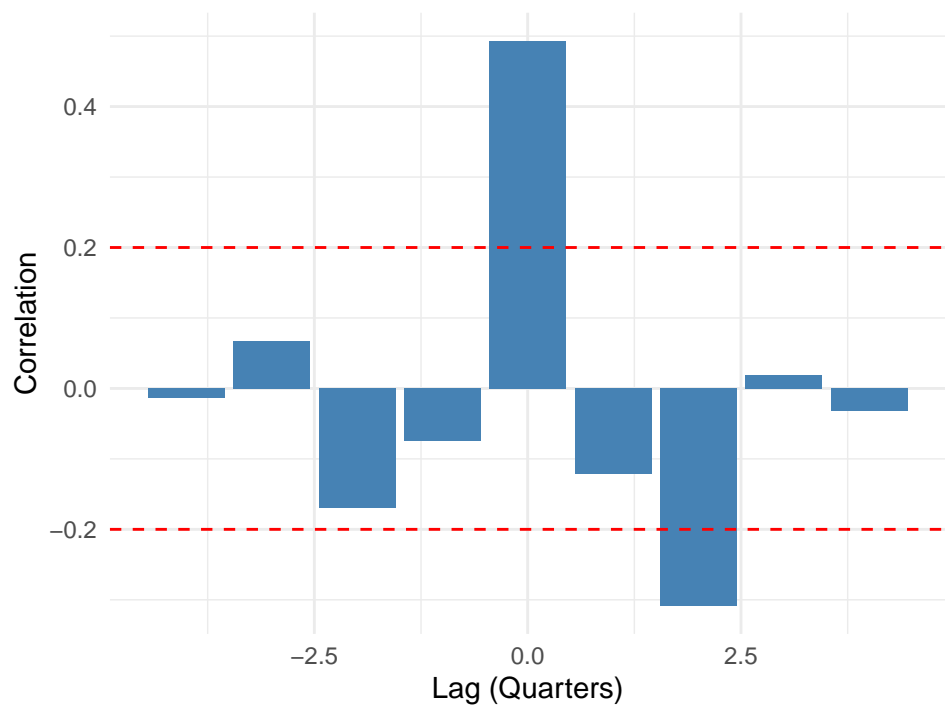


Scatter: DA3m\_IPCA\_MA vs Target

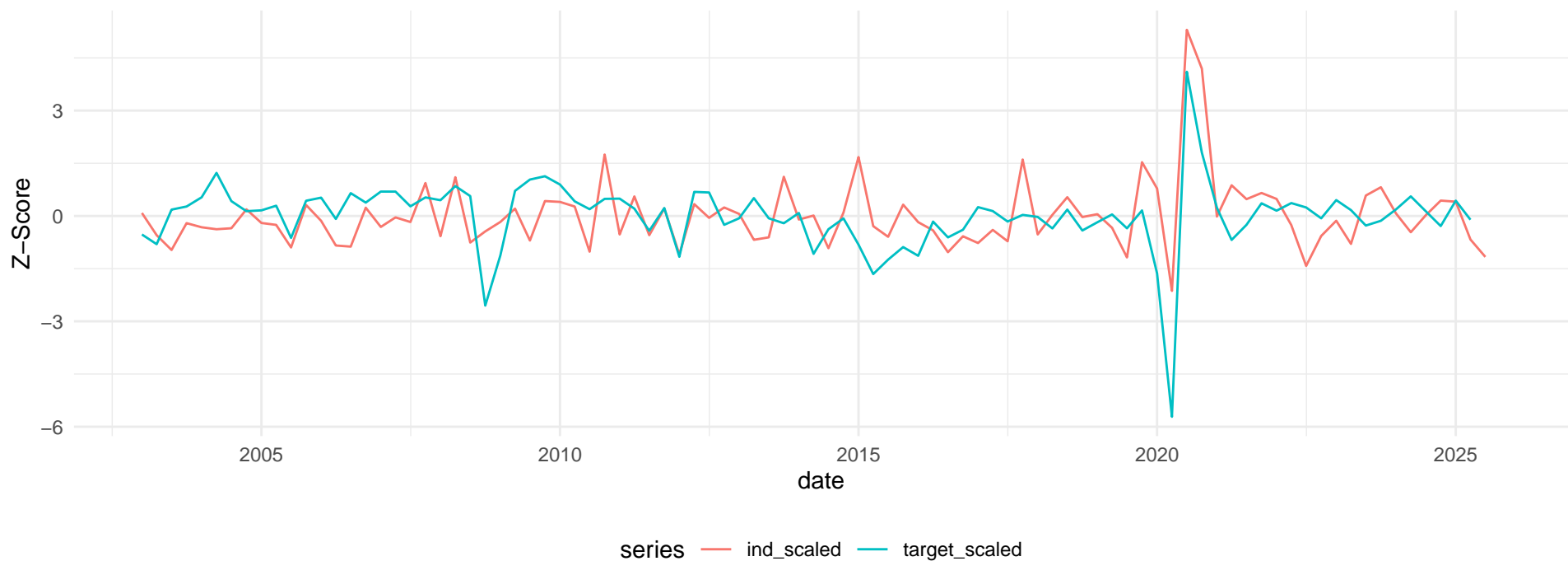
Corr: 0.49



Cross-Correlation (Quarterly Lags): DA3m\_IPCA\_MA

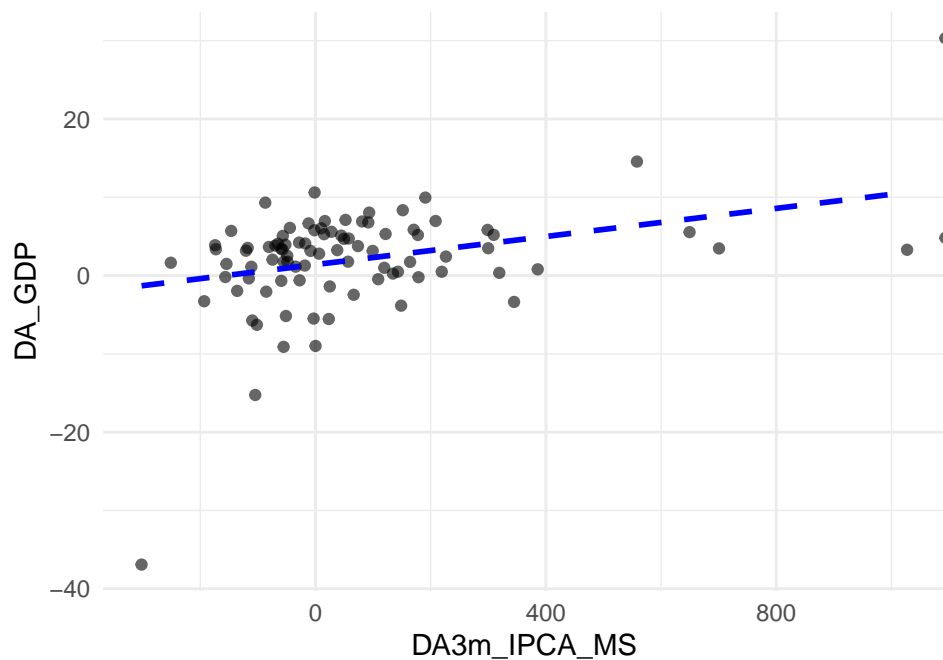


Standardized Time Series: DA3m\_IPCA\_MA



Scatter: DA3m\_IPCA\_MS vs Target

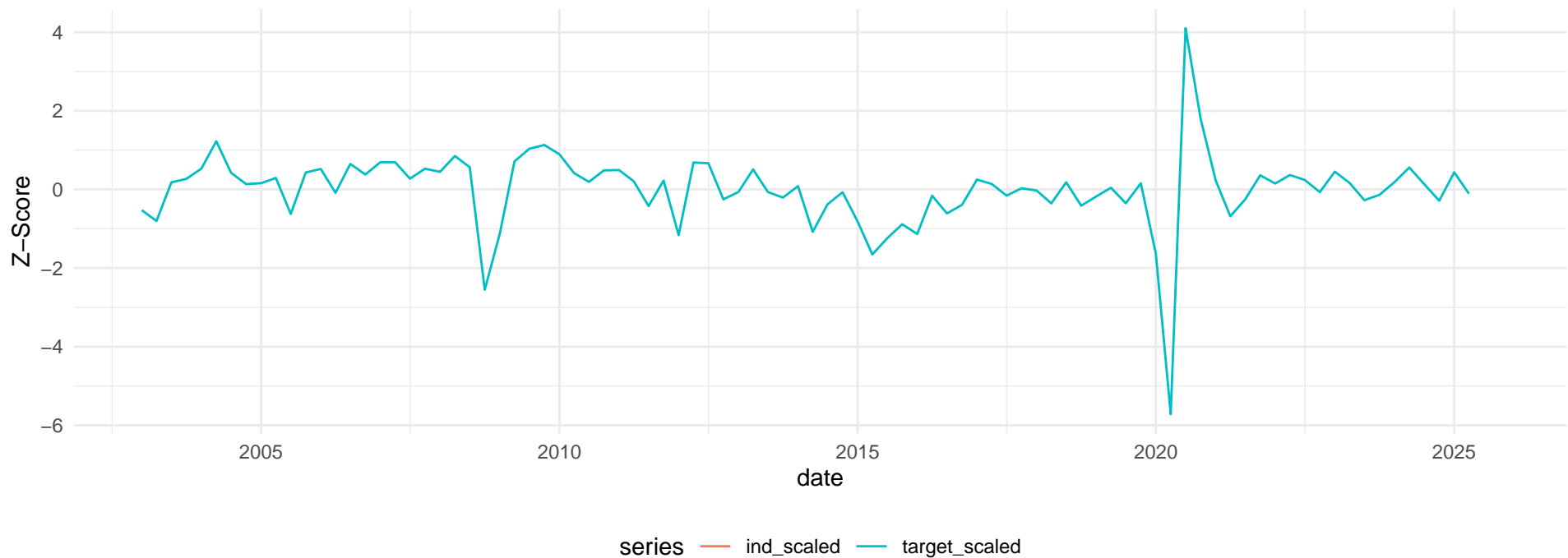
Corr: NaN



Cross-Correlation (Quarterly Lags): DA3m\_IPCA\_MS

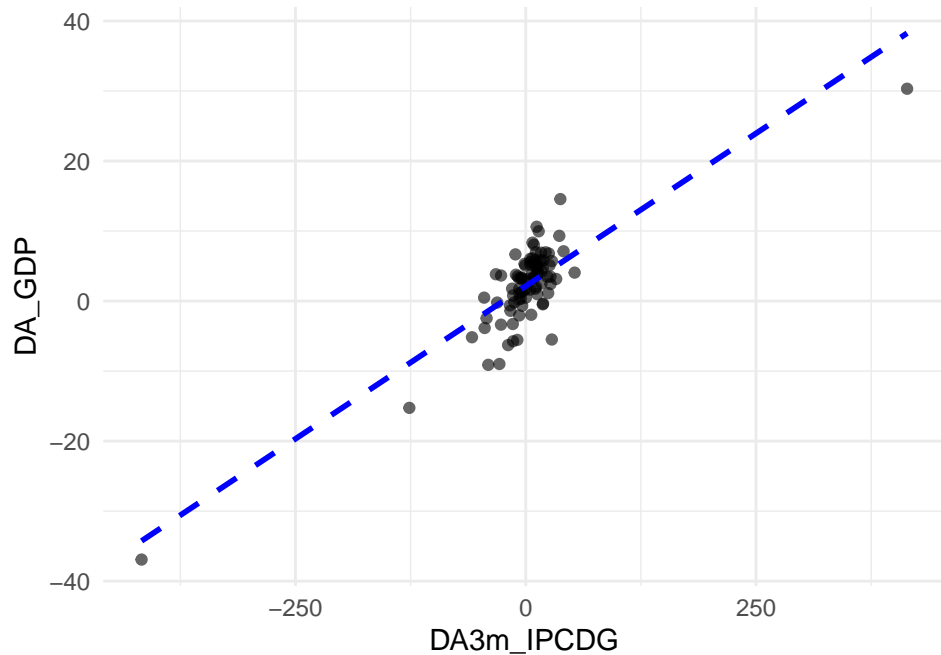


Standardized Time Series: DA3m\_IPCA\_MS

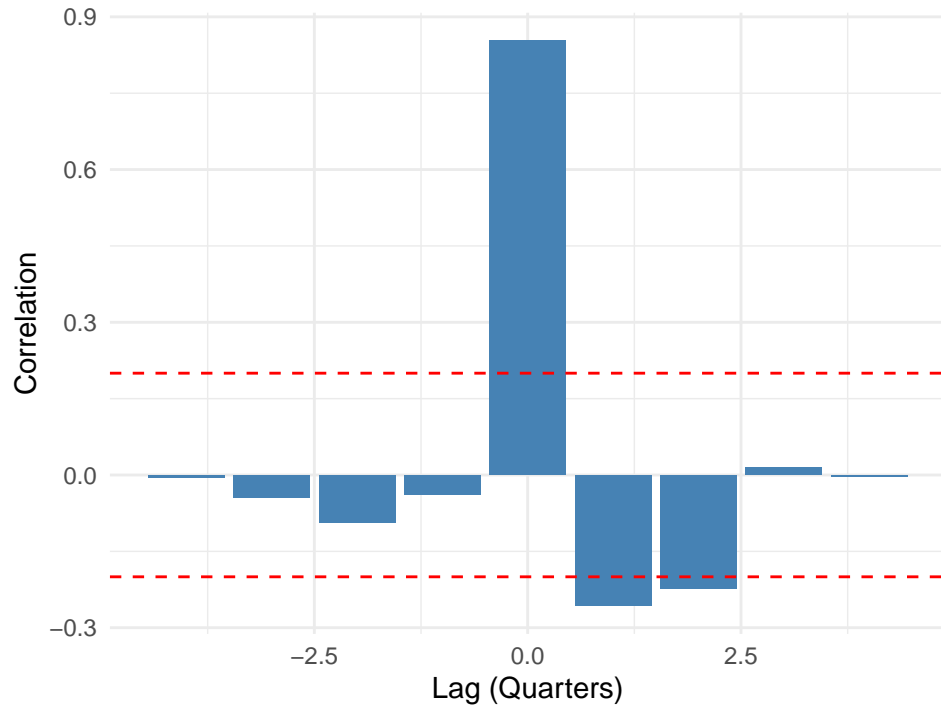


Scatter: DA3m\_IPCDG vs Target

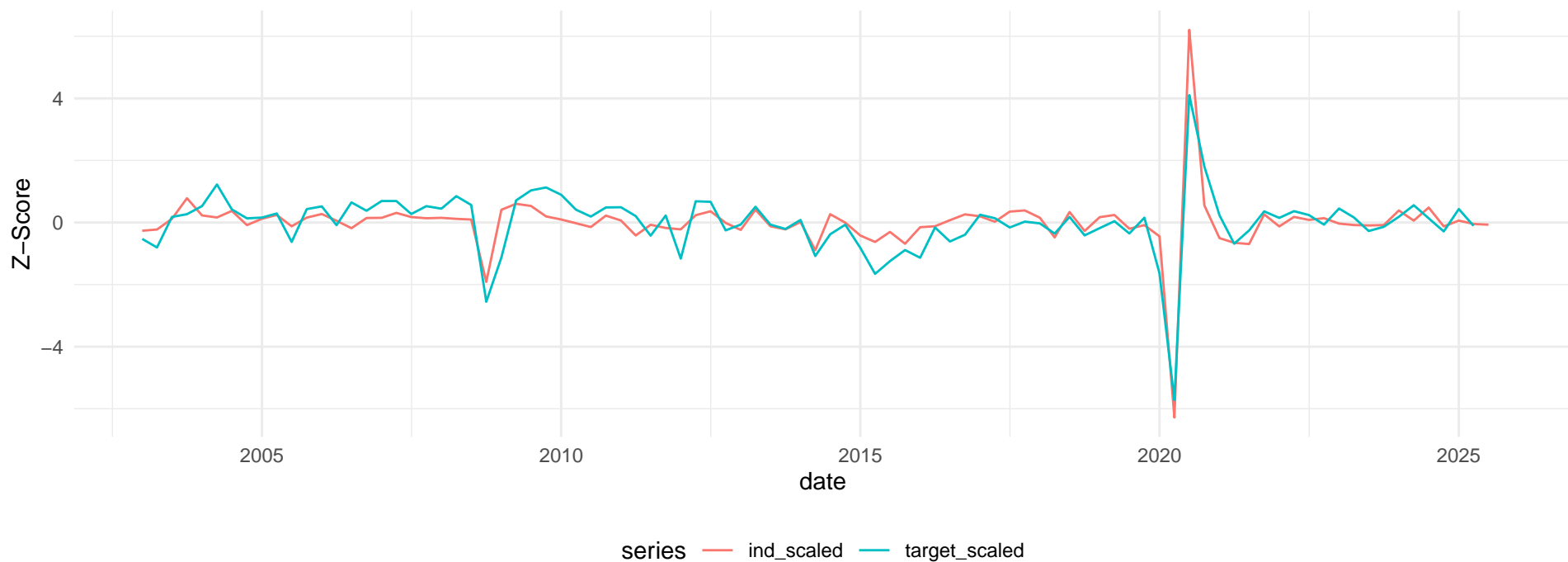
Corr: 0.85



Cross-Correlation (Quarterly Lags): DA3m\_IPCDG

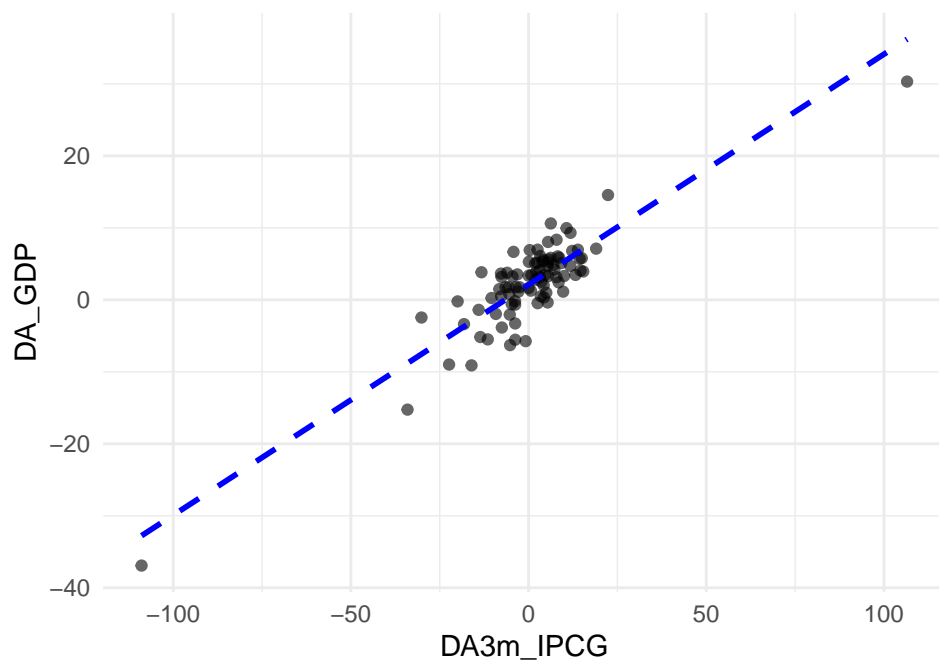


Standardized Time Series: DA3m\_IPCDG

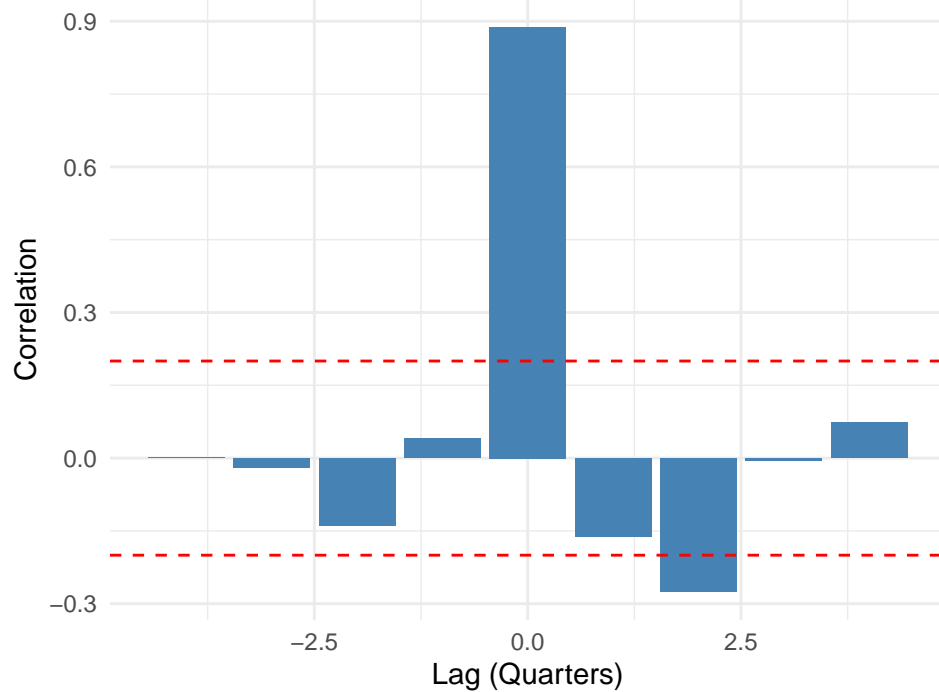


Scatter: DA3m\_IPCG vs Target

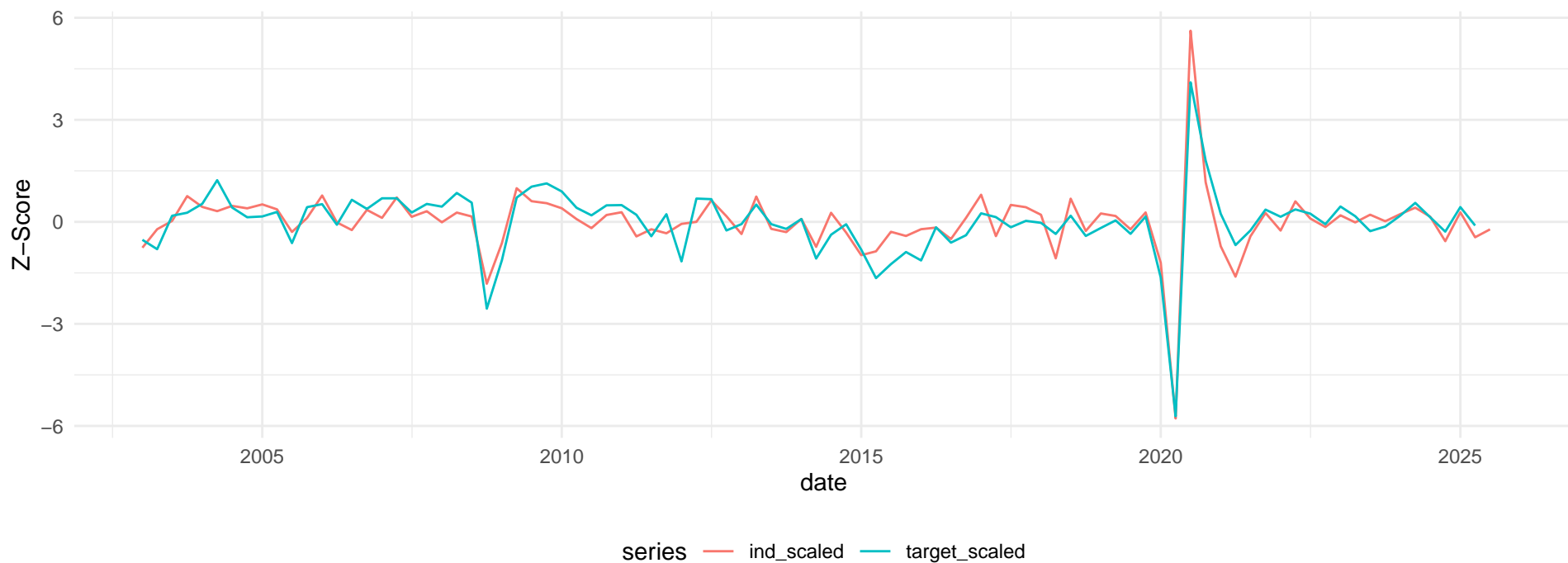
Corr: 0.89



Cross-Correlation (Quarterly Lags): DA3m\_IPCG



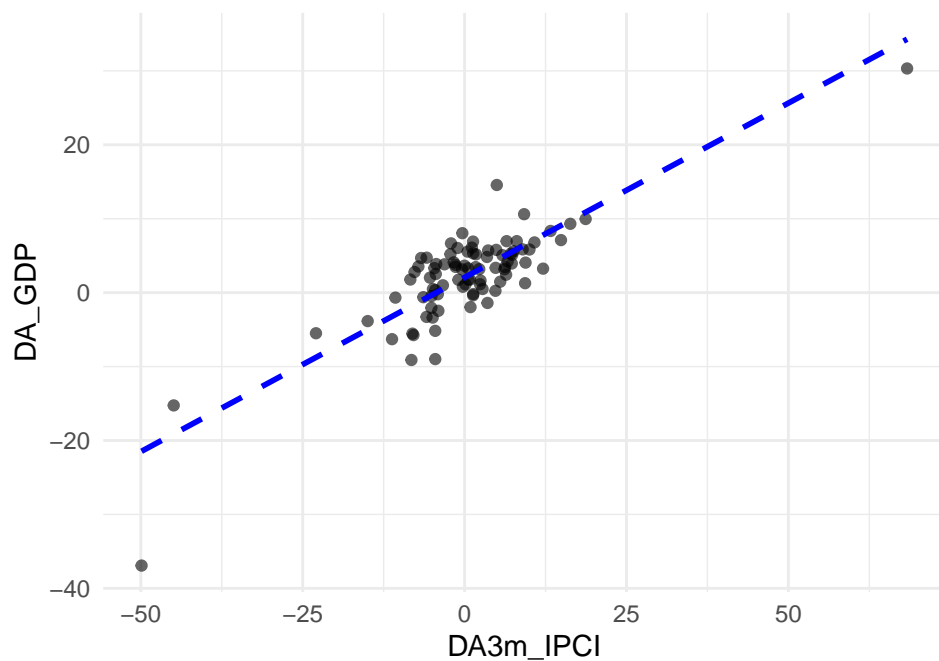
Standardized Time Series: DA3m\_IPCG



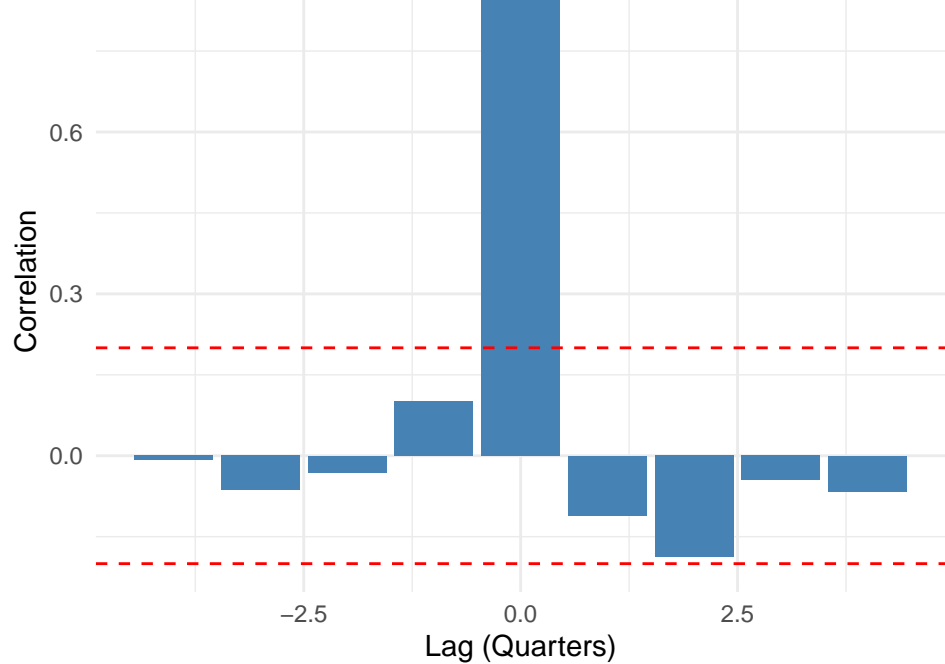


Scatter: DA3m\_IPCI vs Target

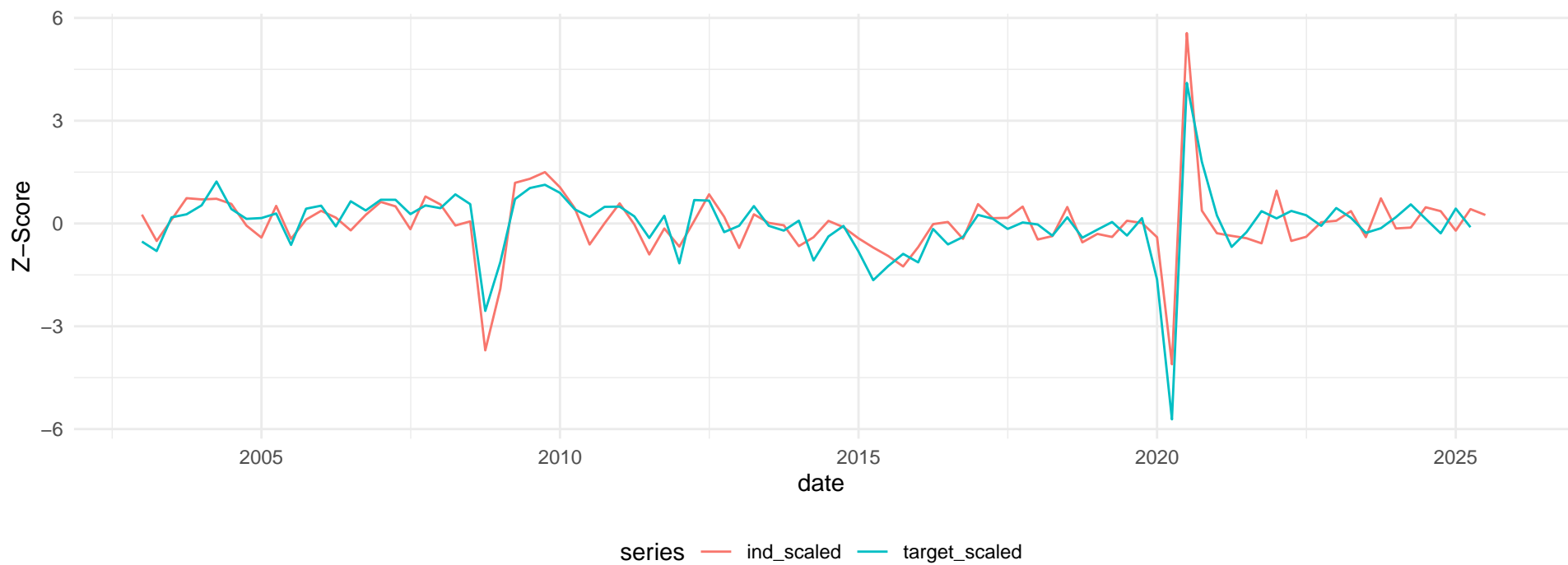
Corr: 0.85



Cross-Correlation (Quarterly Lags): DA3m\_IPCI

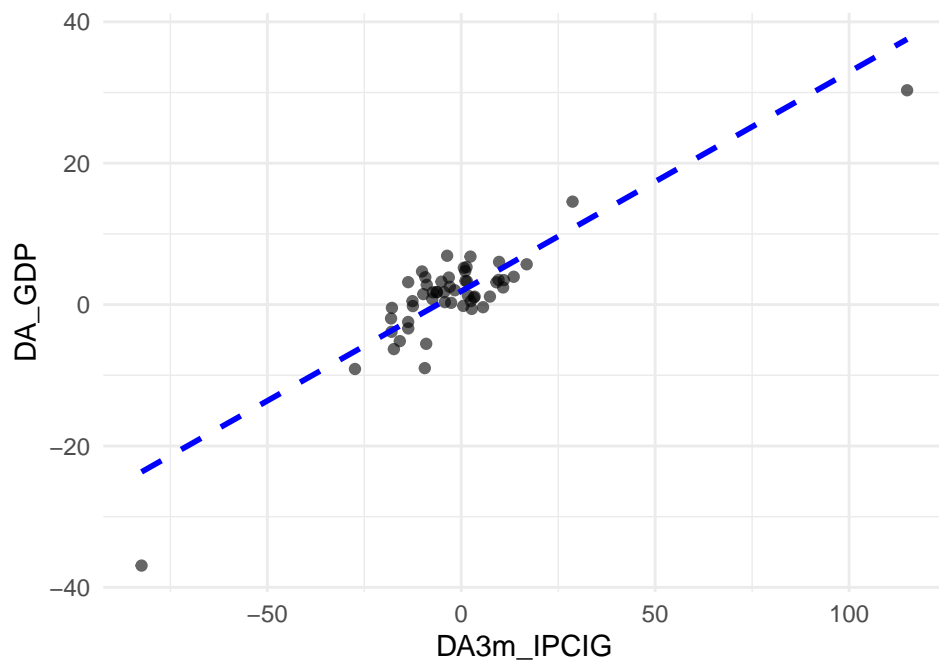


Standardized Time Series: DA3m\_IPCI

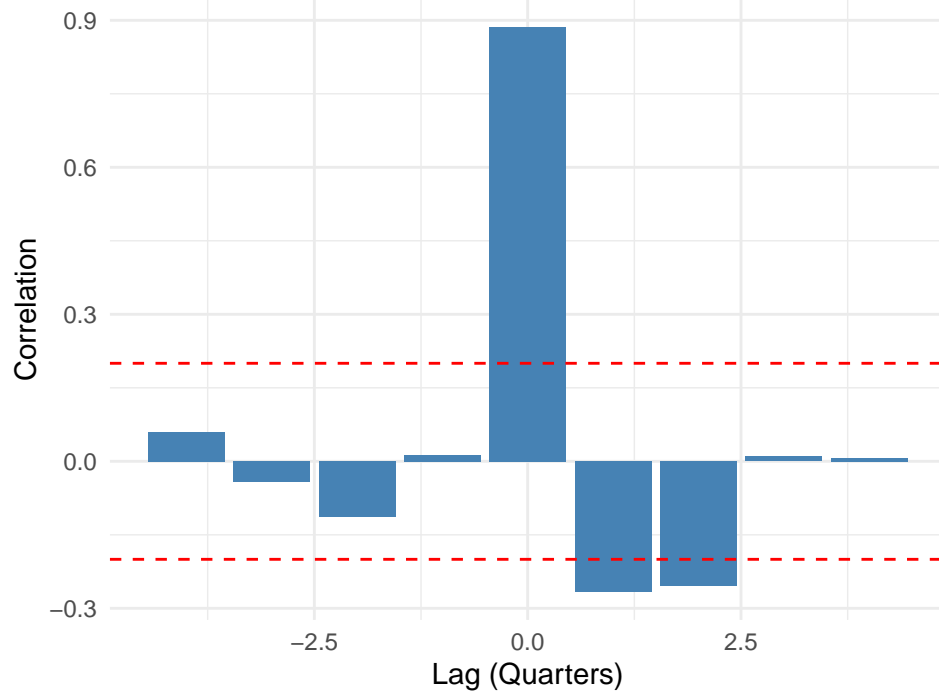


### Scatter: DA3m\_IPCIG vs Target

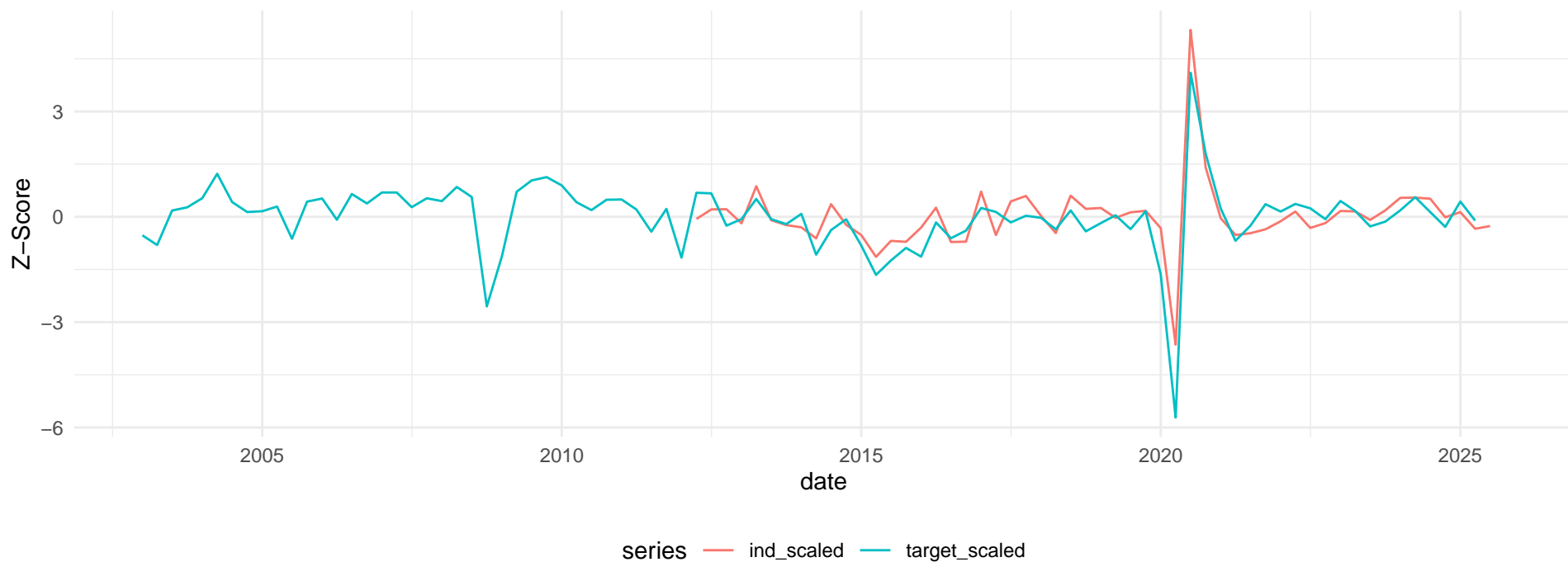
Corr: 0.89



### Cross-Correlation (Quarterly Lags): DA3m\_IPCIG

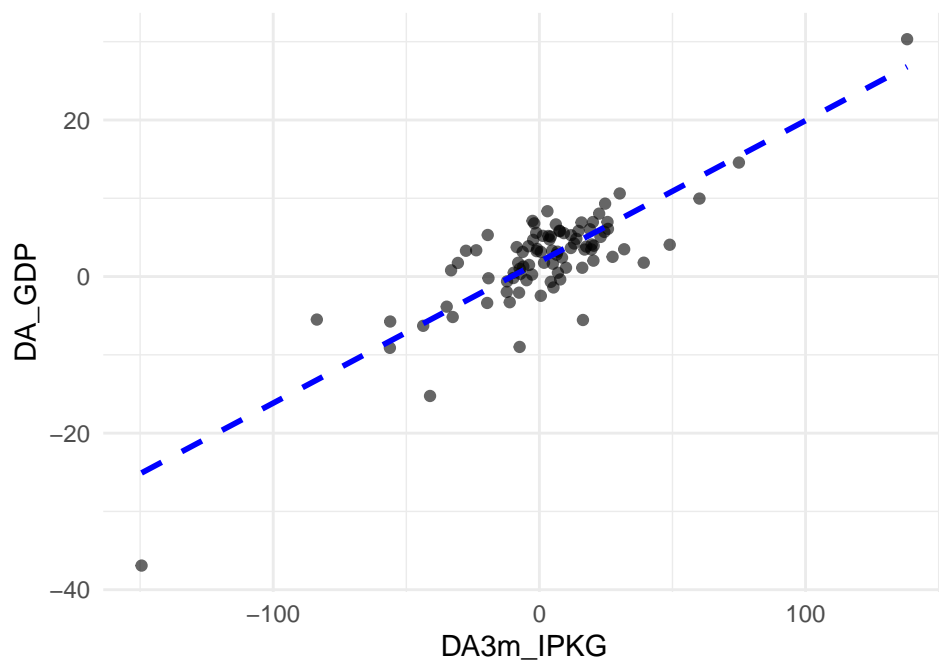


### Standardized Time Series: DA3m\_IPCIG

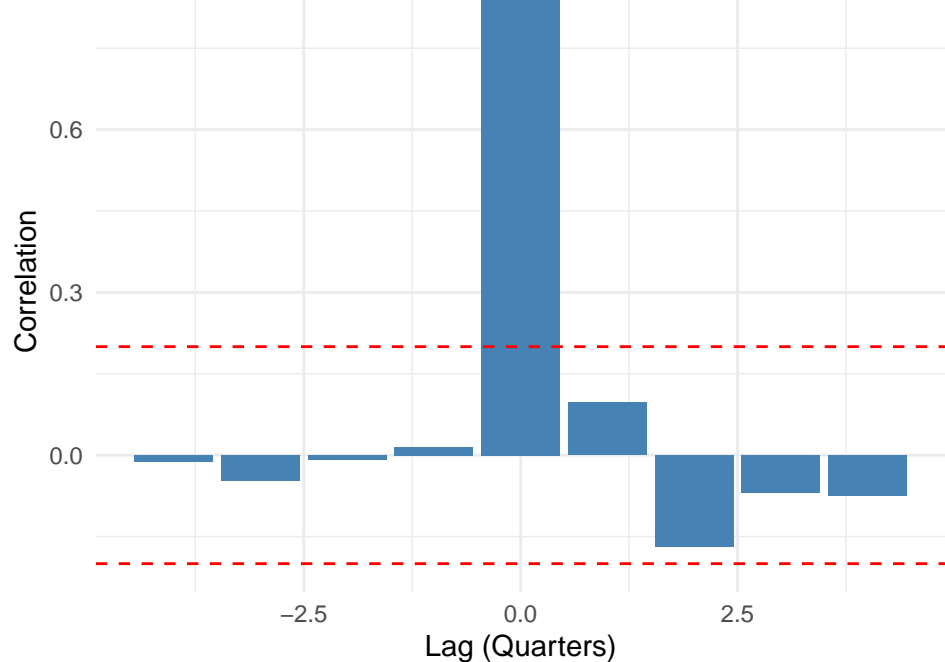


Scatter: DA3m\_IPKG vs Target

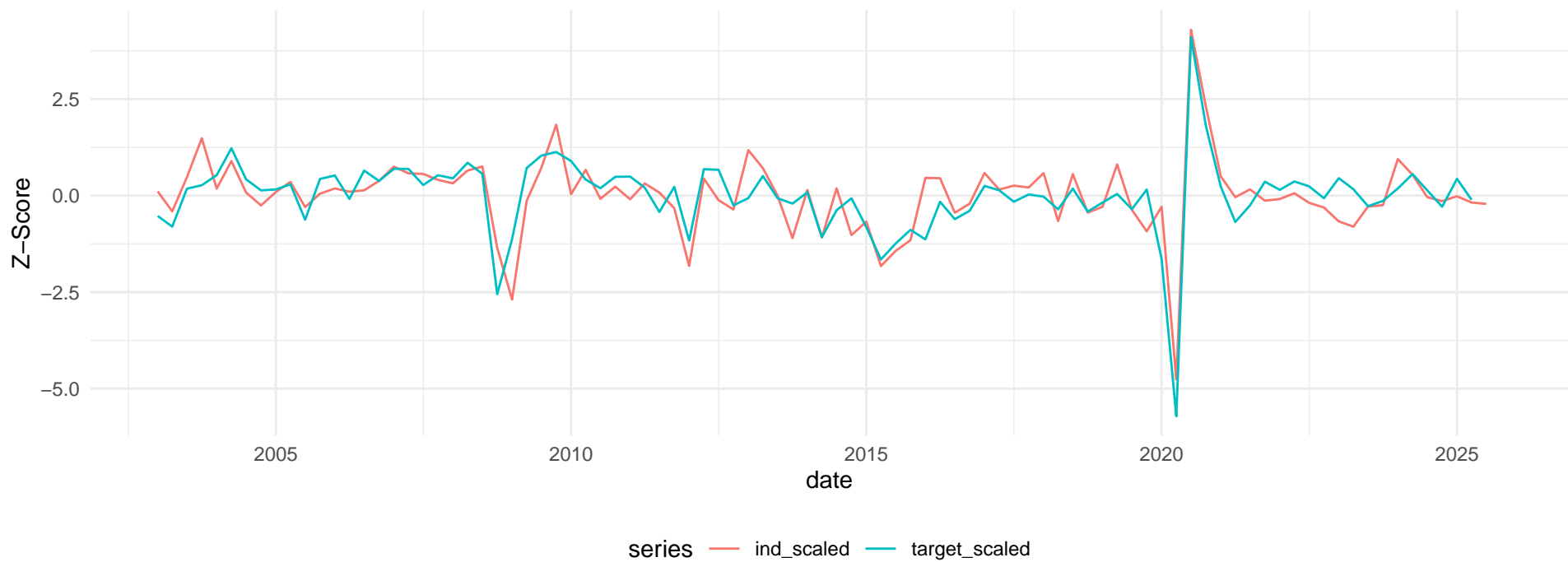
Corr: 0.84



Cross-Correlation (Quarterly Lags): DA3m\_IPKG

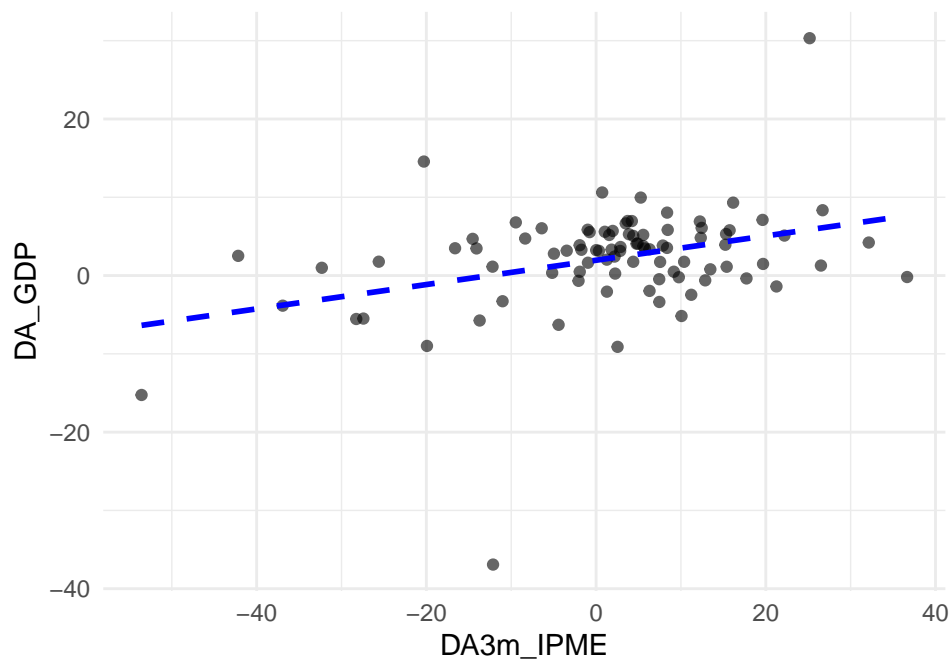


Standardized Time Series: DA3m\_IPKG

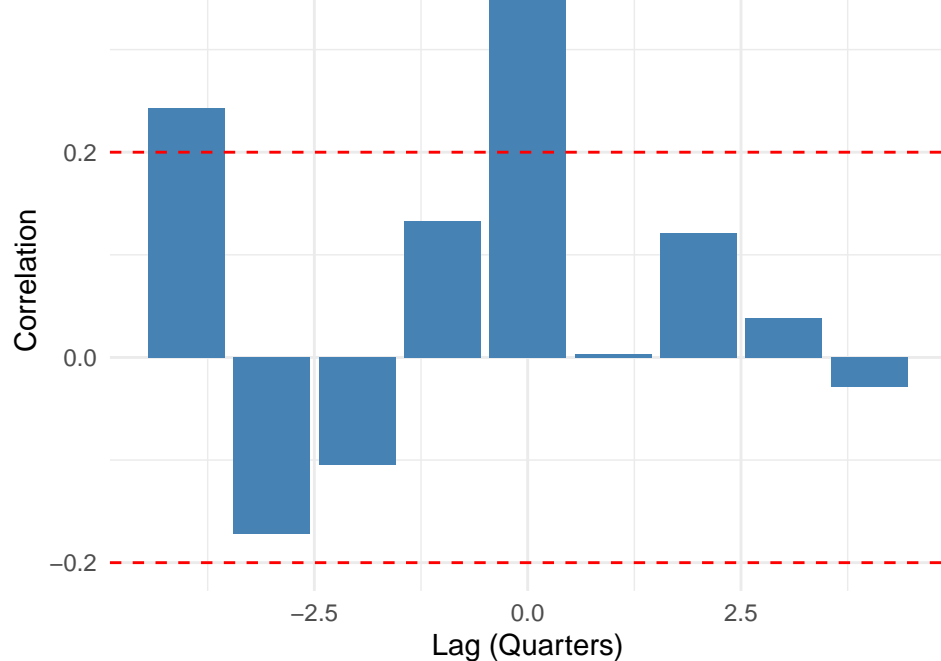


### Scatter: DA3m\_IPME vs Target

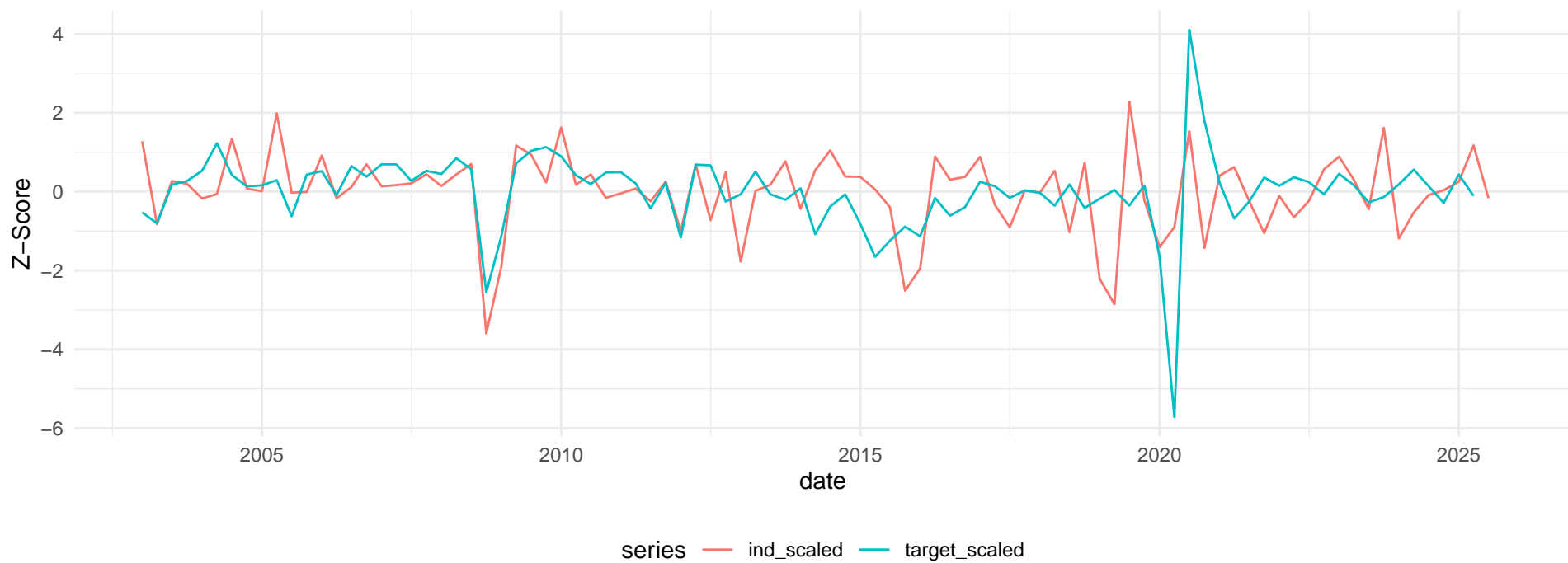
Corr: 0.35



### Cross-Correlation (Quarterly Lags): DA3m\_IPME

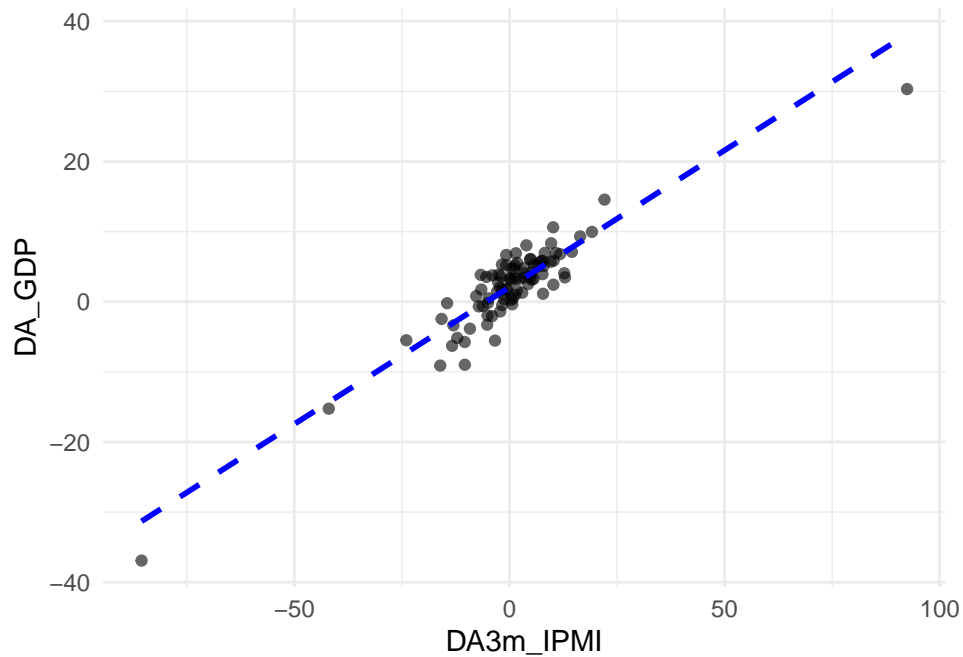


### Standardized Time Series: DA3m\_IPME

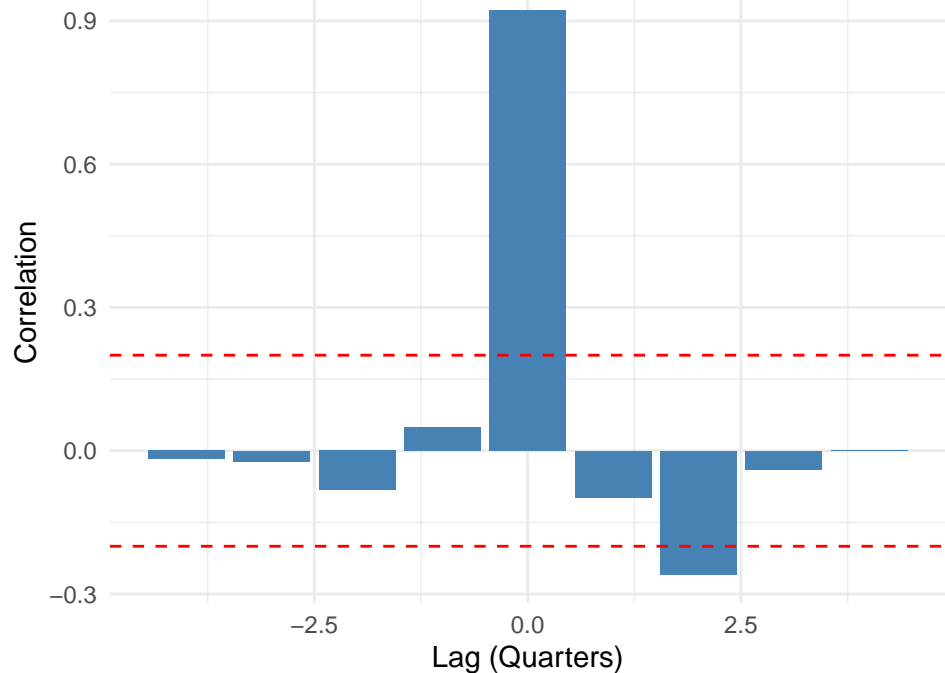


Scatter: DA3m\_IPMI vs Target

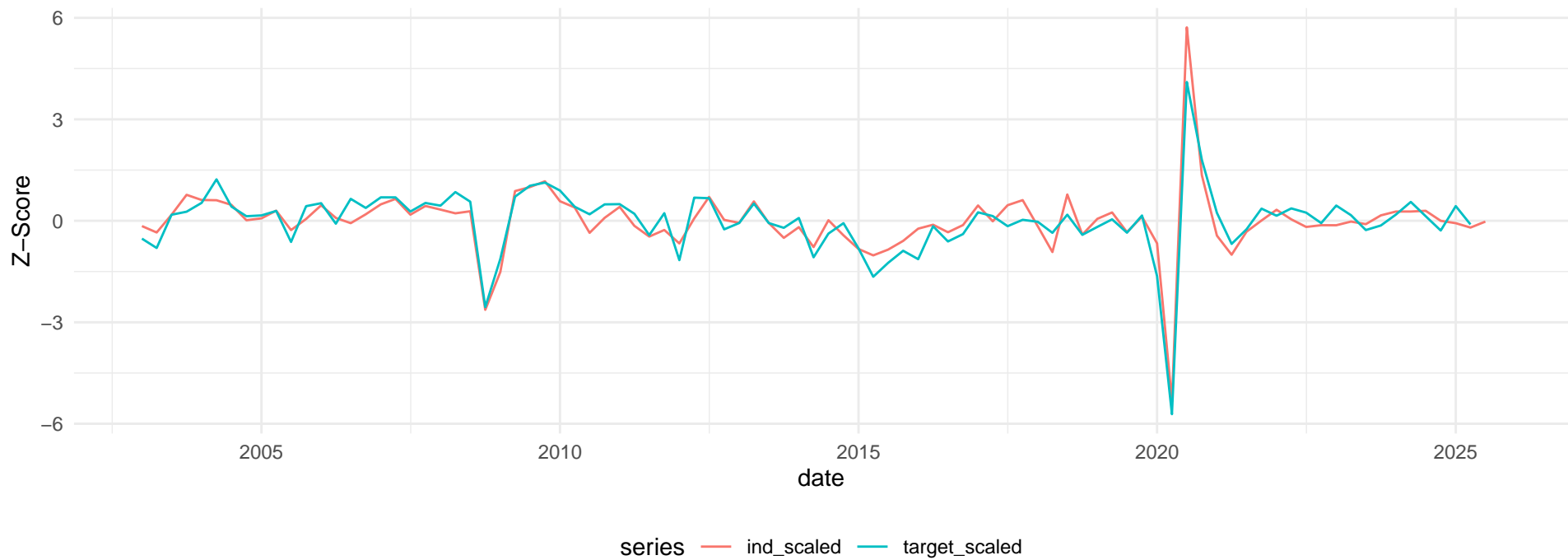
Corr: 0.92



Cross-Correlation (Quarterly Lags): DA3m\_IPMI

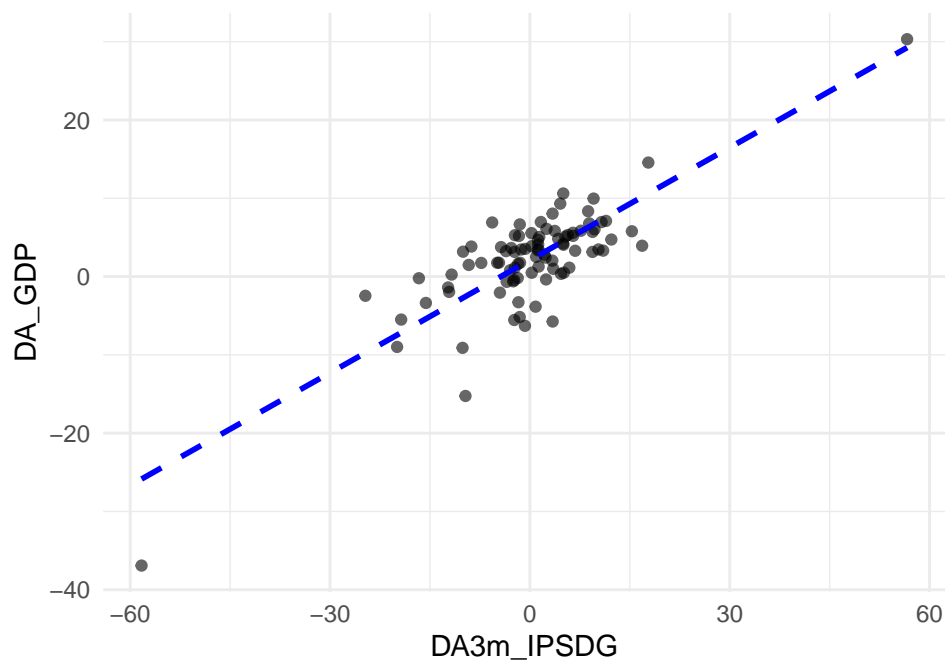


Standardized Time Series: DA3m\_IPMI

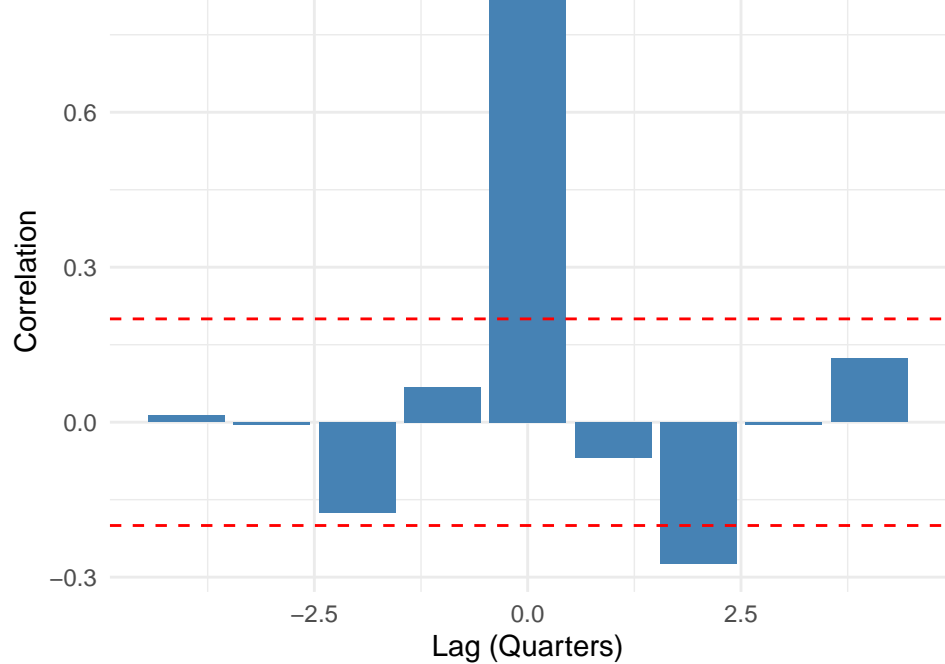


Scatter: DA3m\_IPSDG vs Target

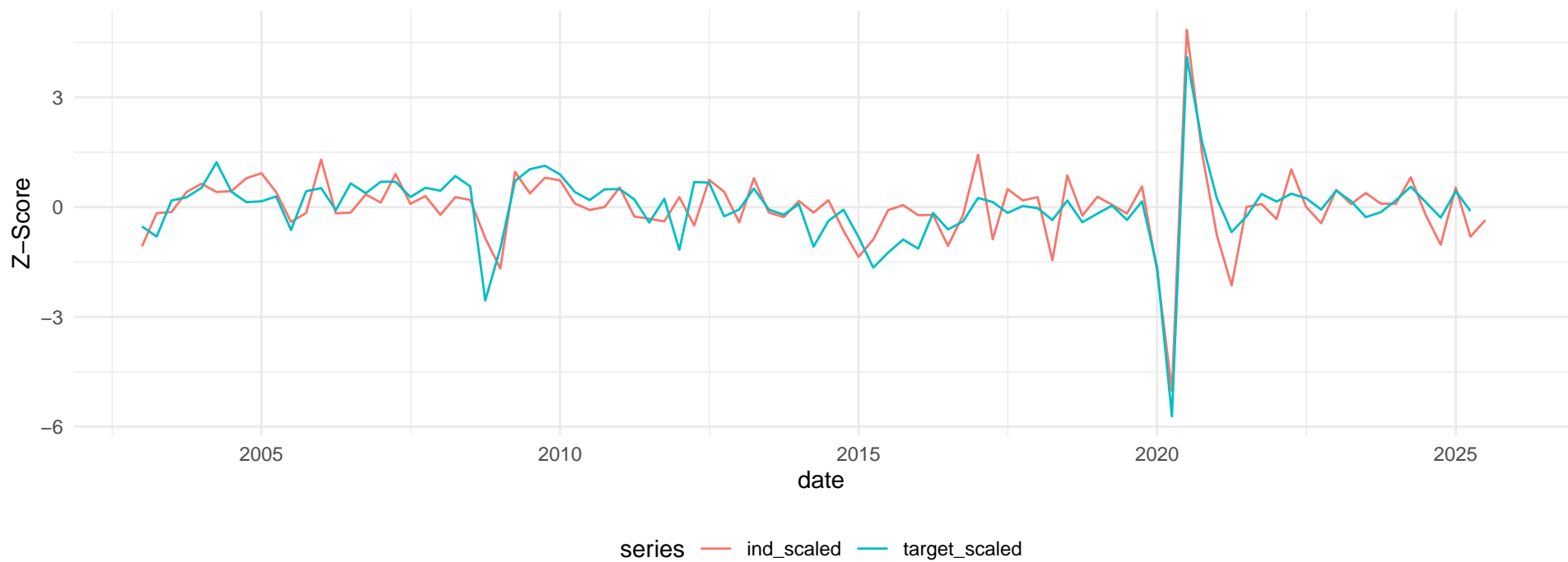
Corr: 0.82



Cross-Correlation (Quarterly Lags): DA3m\_IPSDG

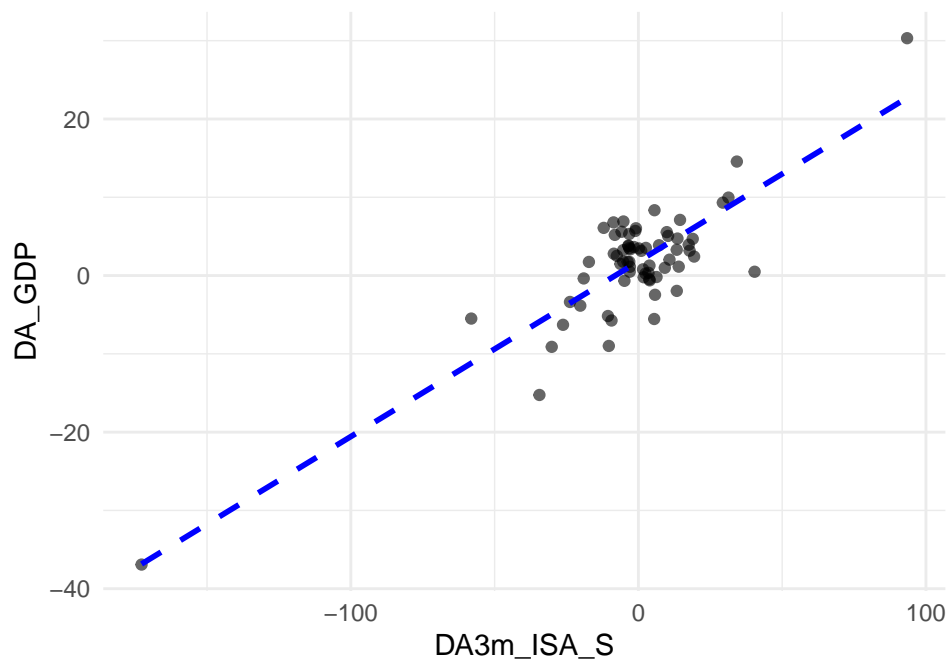


Standardized Time Series: DA3m\_IPSDG

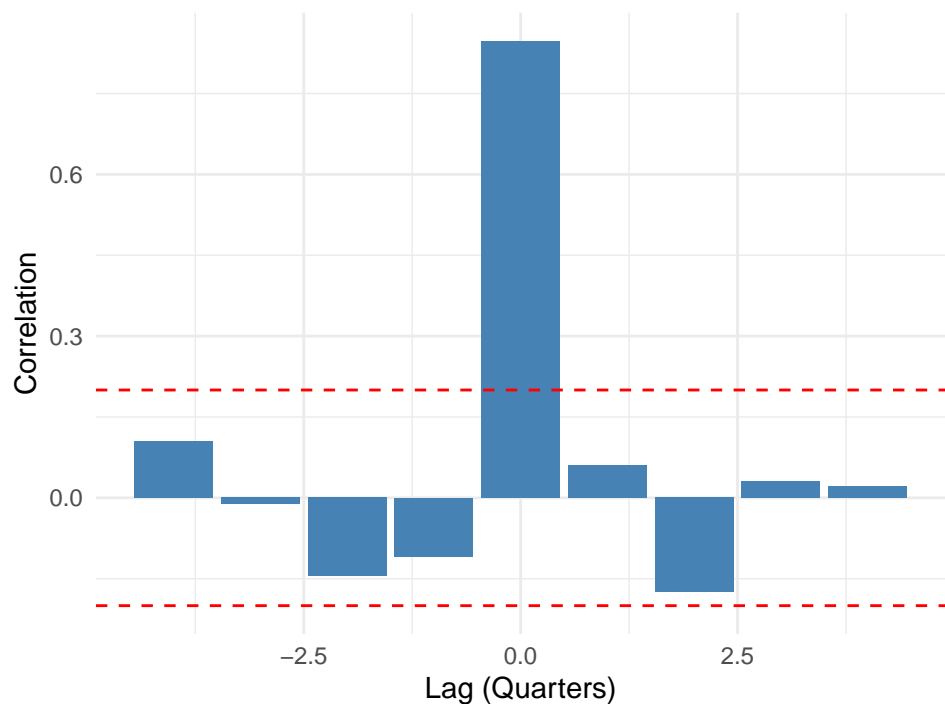


Scatter: DA3m\_ISA\_S vs Target

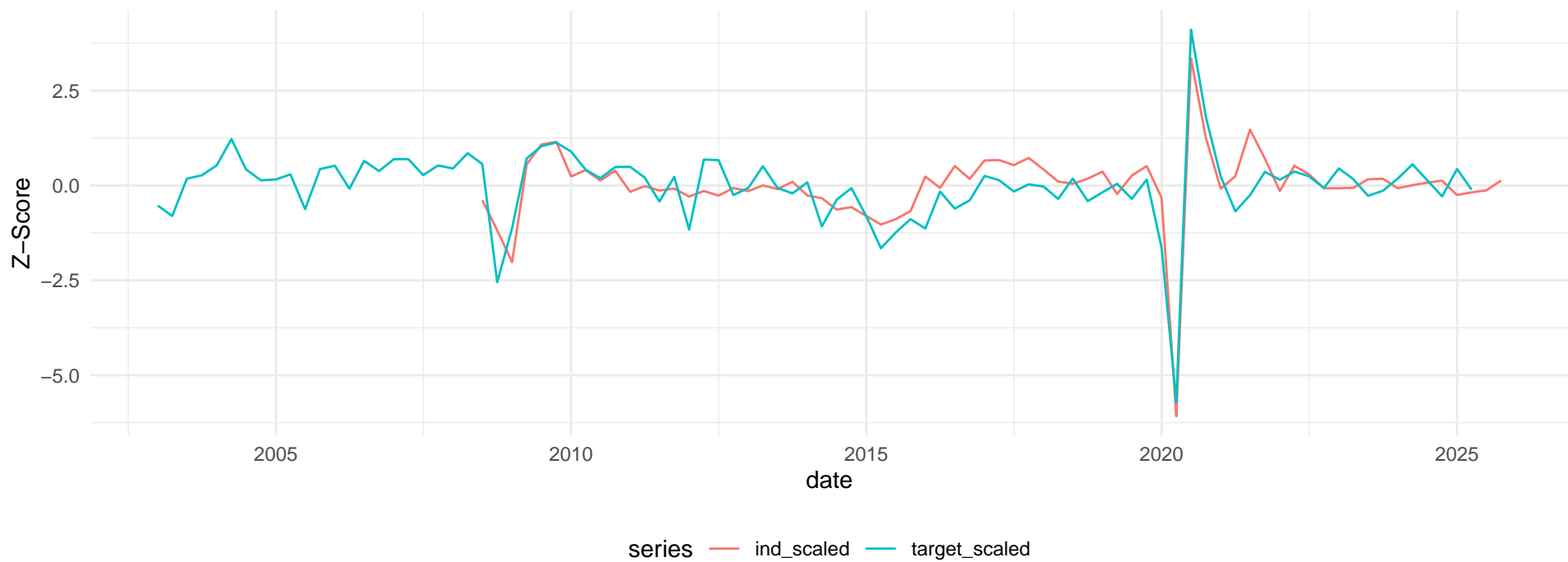
Corr: 0.85



Cross-Correlation (Quarterly Lags): DA3m\_ISA\_S

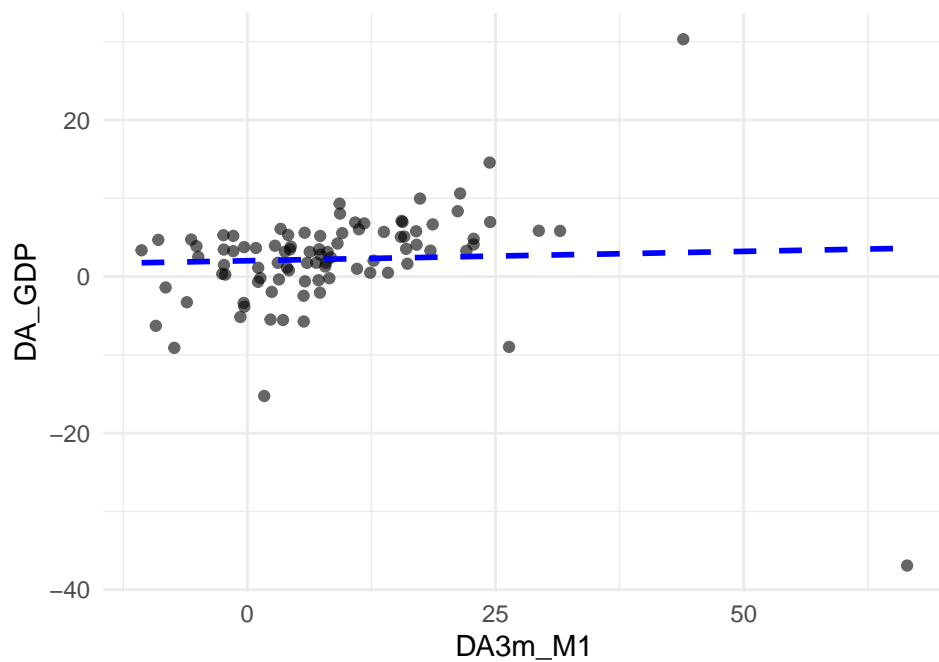


Standardized Time Series: DA3m\_ISA\_S

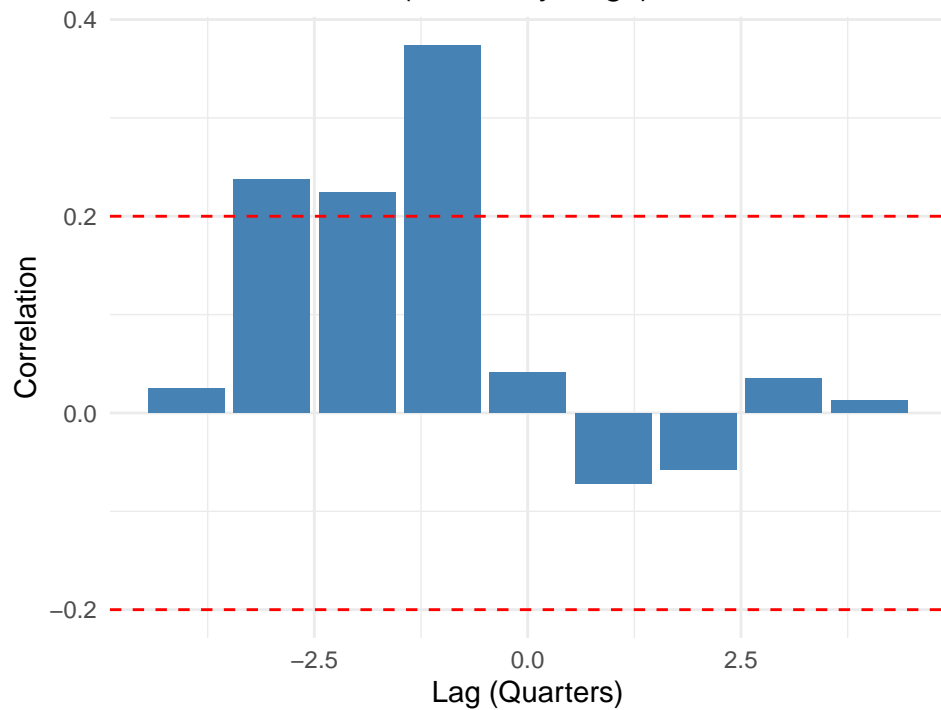


Scatter: DA3m\_M1 vs Target

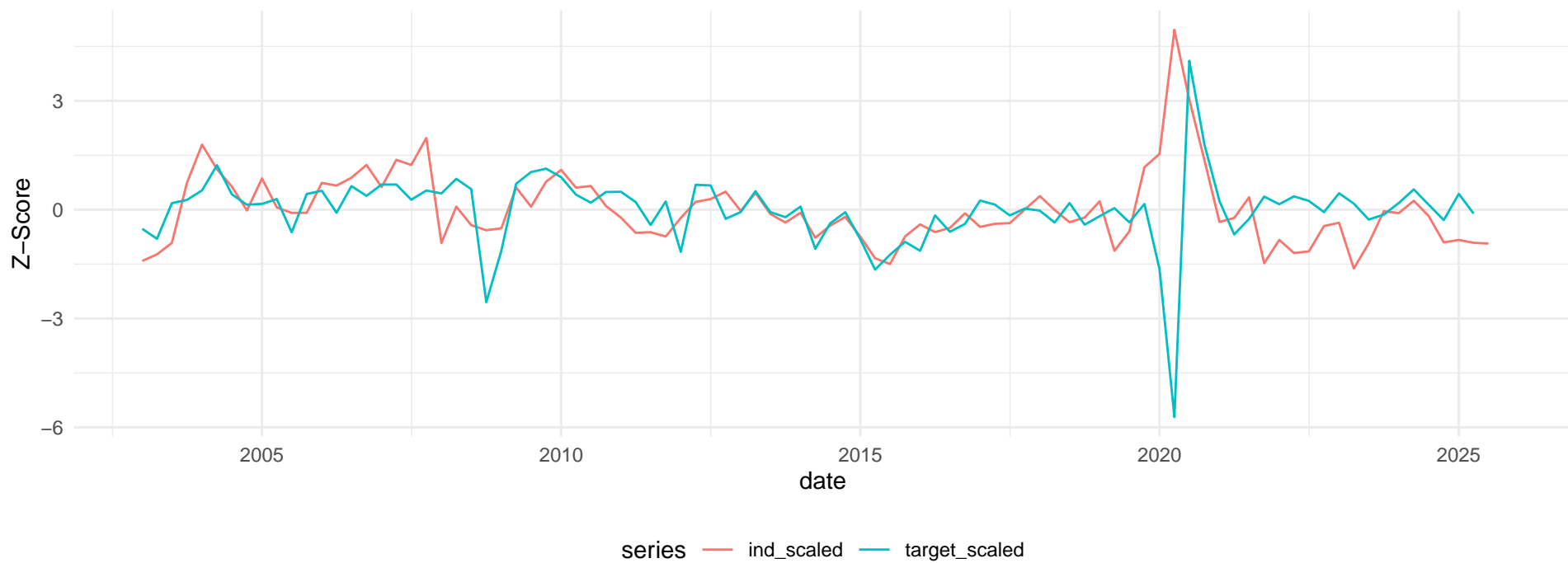
Corr: 0.04



Cross-Correlation (Quarterly Lags): DA3m\_M1



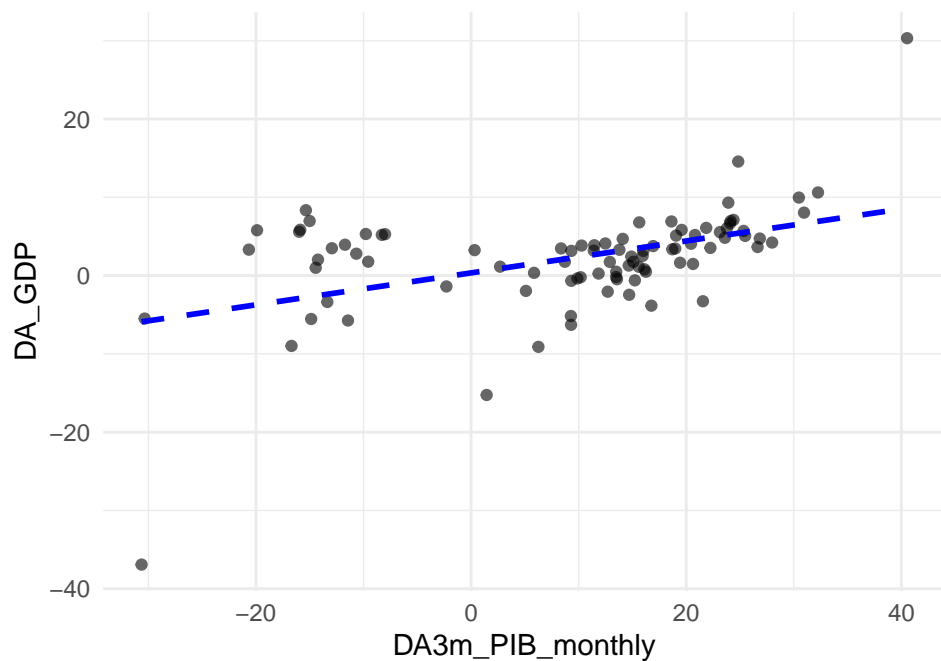
Standardized Time Series: DA3m\_M1



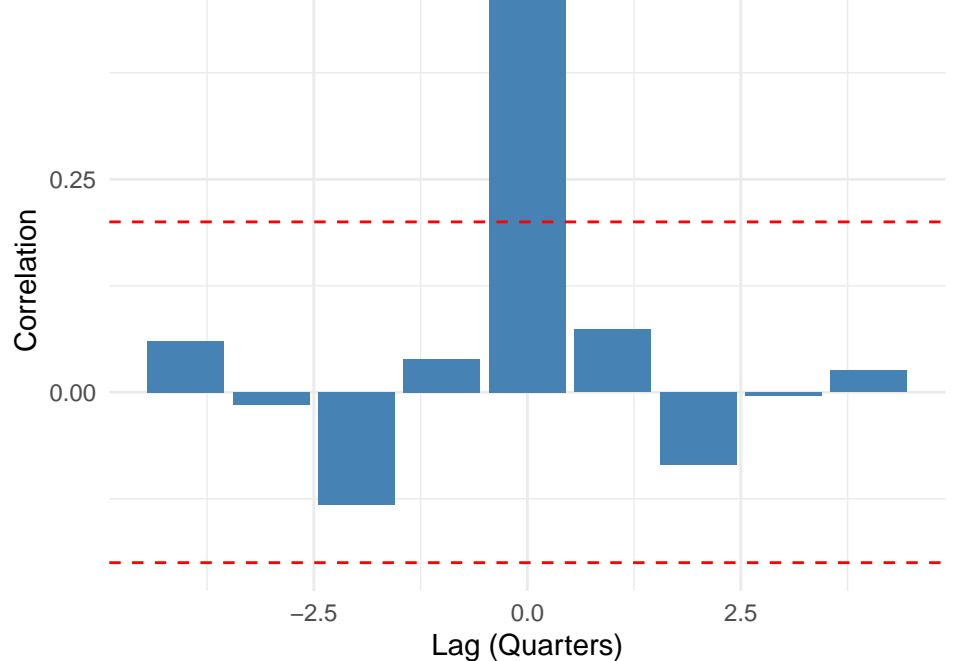


Scatter: DA3m\_PIB\_monthly vs Target

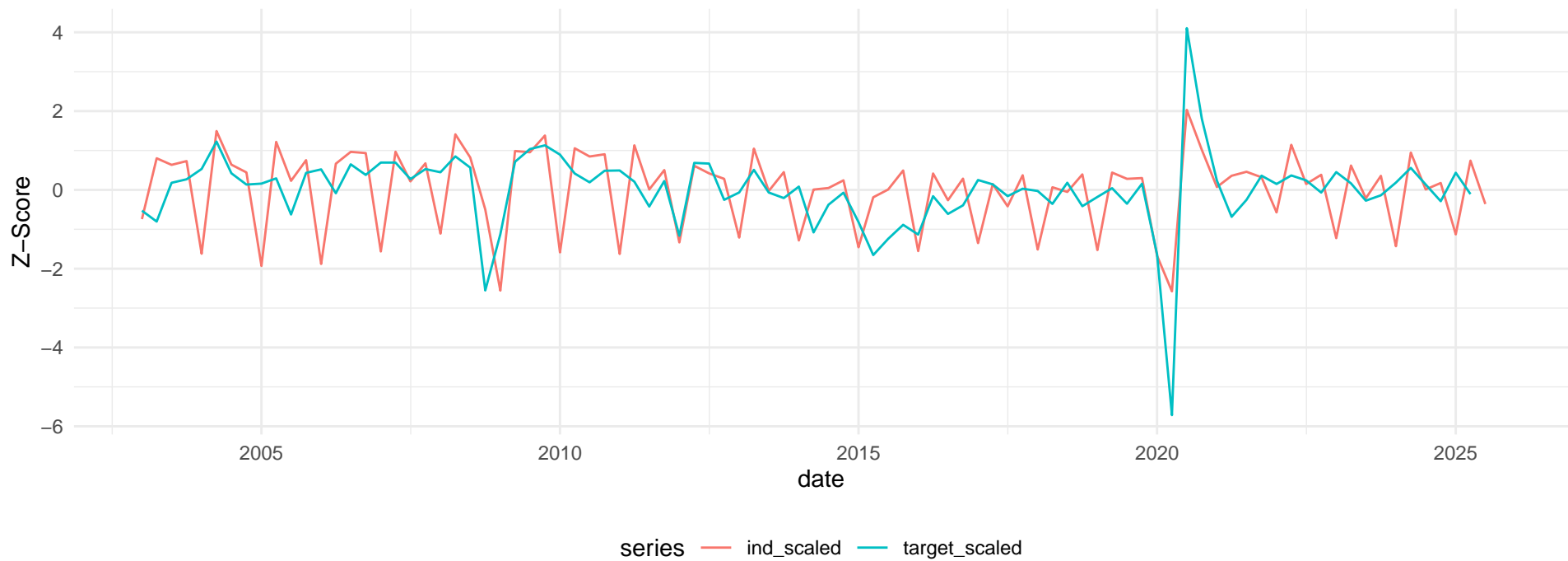
Corr: 0.46



Cross-Correlation (Quarterly Lags): DA3m\_PIB\_monthly

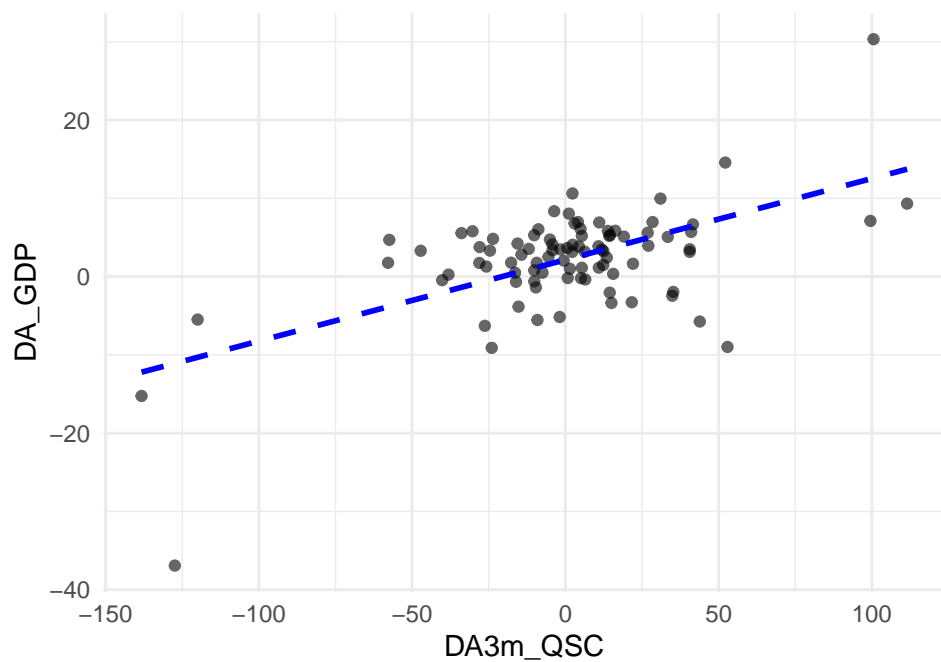


Standardized Time Series: DA3m\_PIB\_monthly

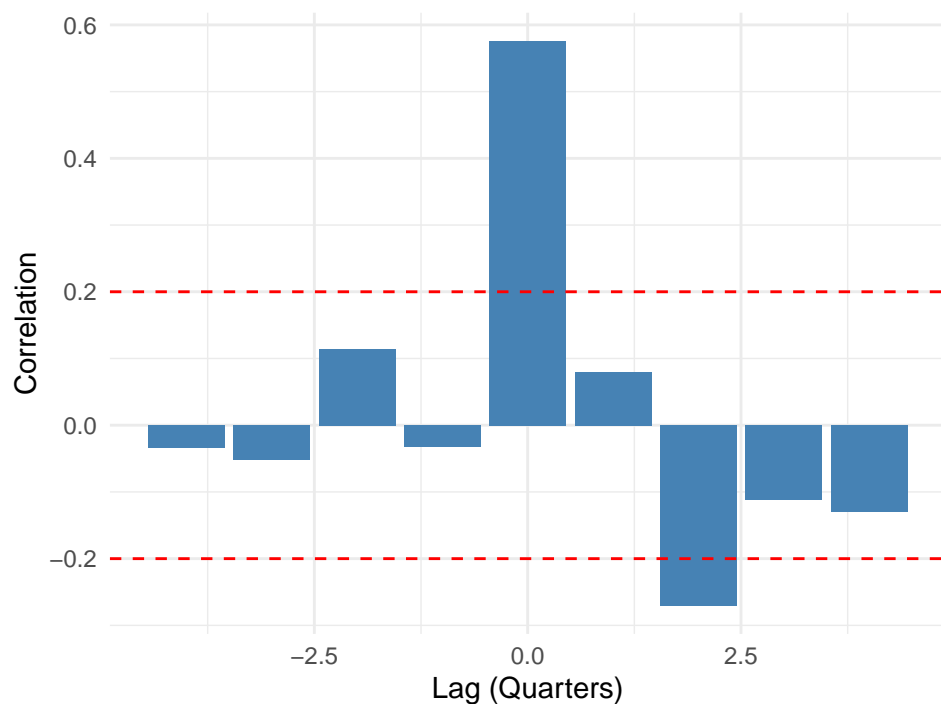


### Scatter: DA3m\_QSC vs Target

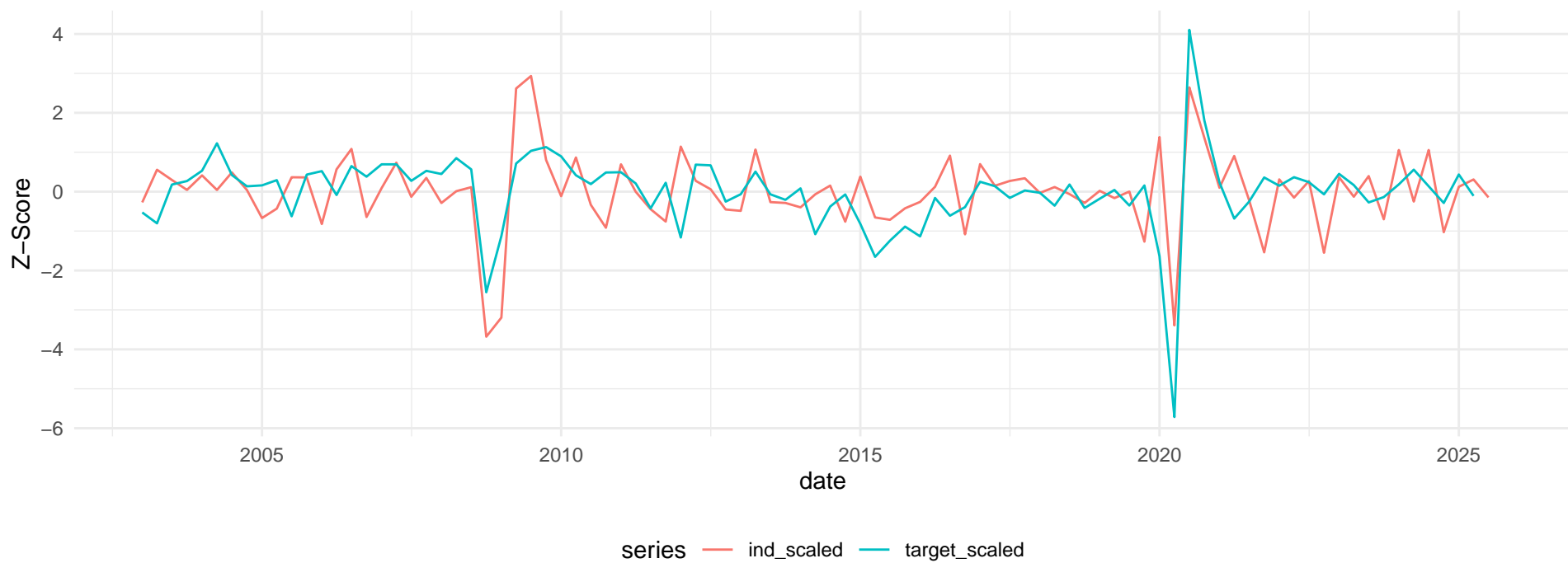
Corr: 0.58



### Cross-Correlation (Quarterly Lags): DA3m\_QSC

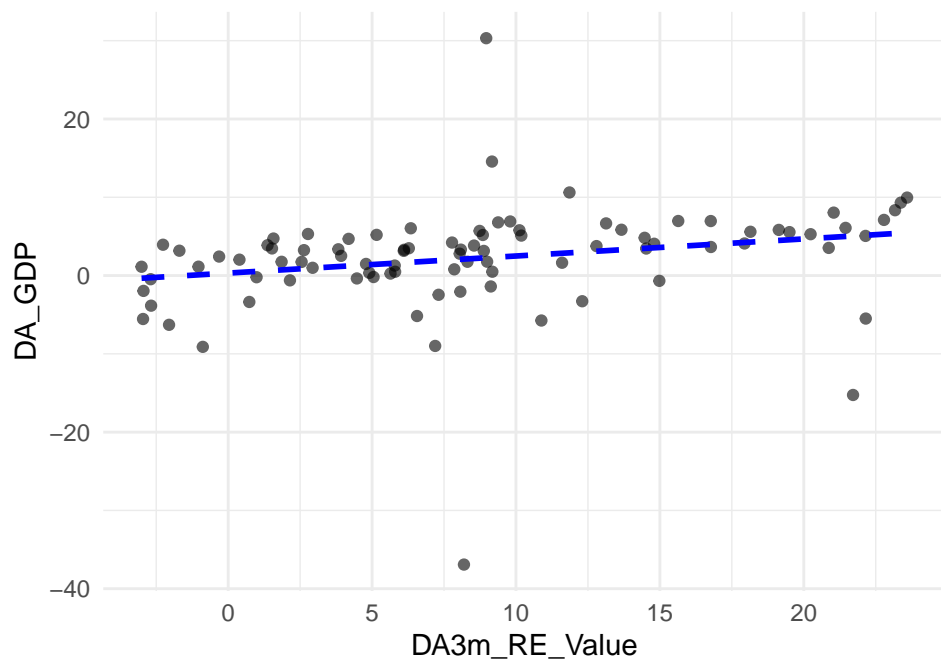


### Standardized Time Series: DA3m\_QSC

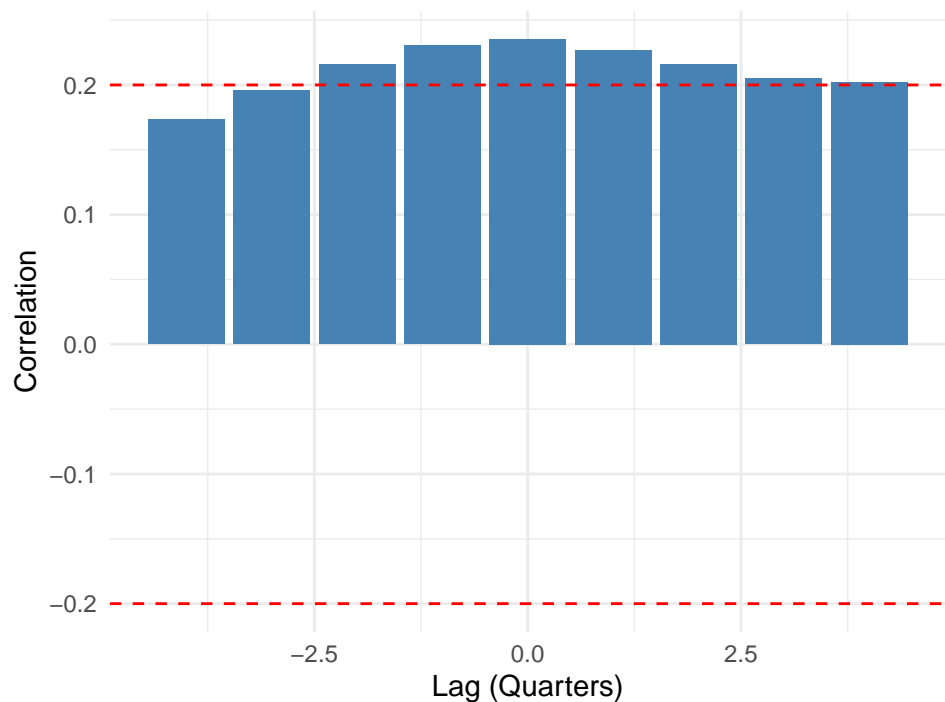


Scatter: DA3m\_RE\_Value vs Target

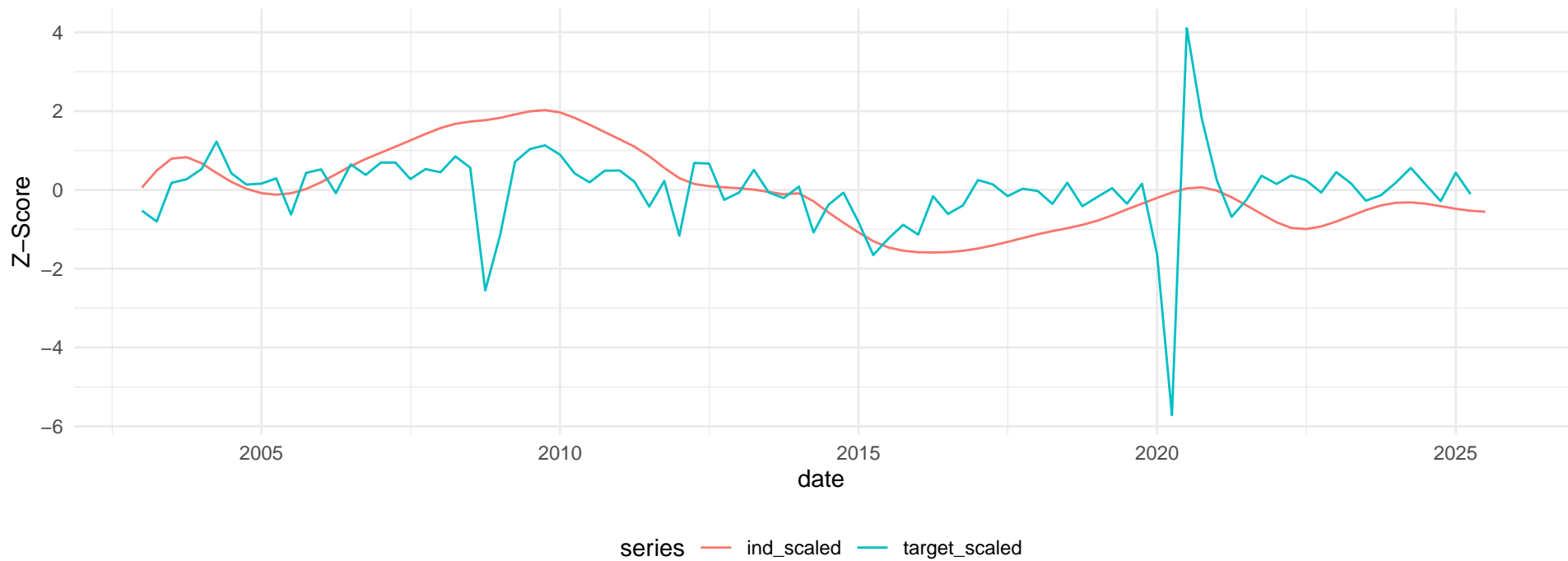
Corr: 0.24



Cross-Correlation (Quarterly Lags): DA3m\_RE\_Value

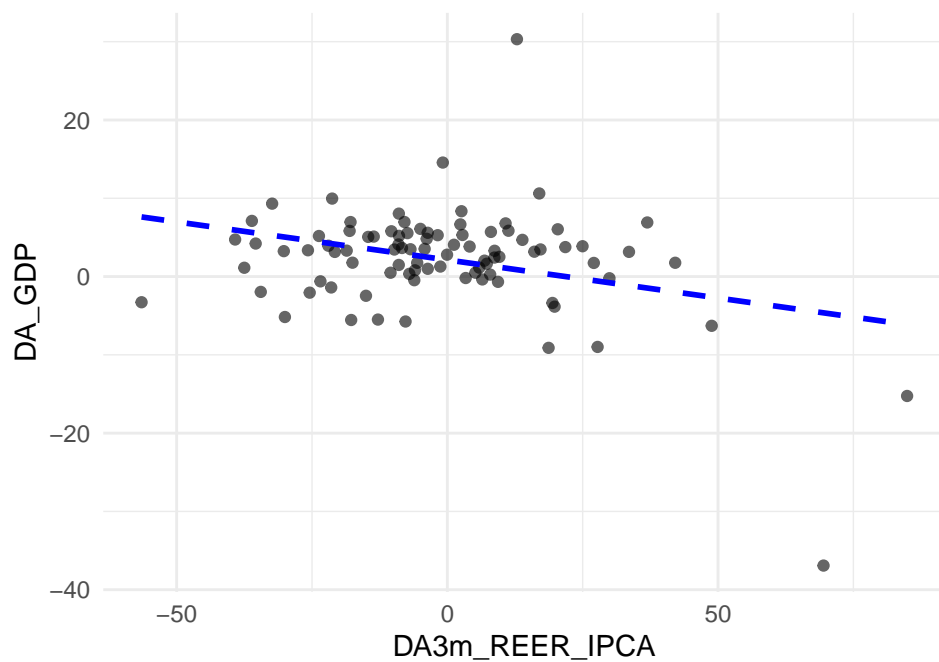


Standardized Time Series: DA3m\_RE\_Value

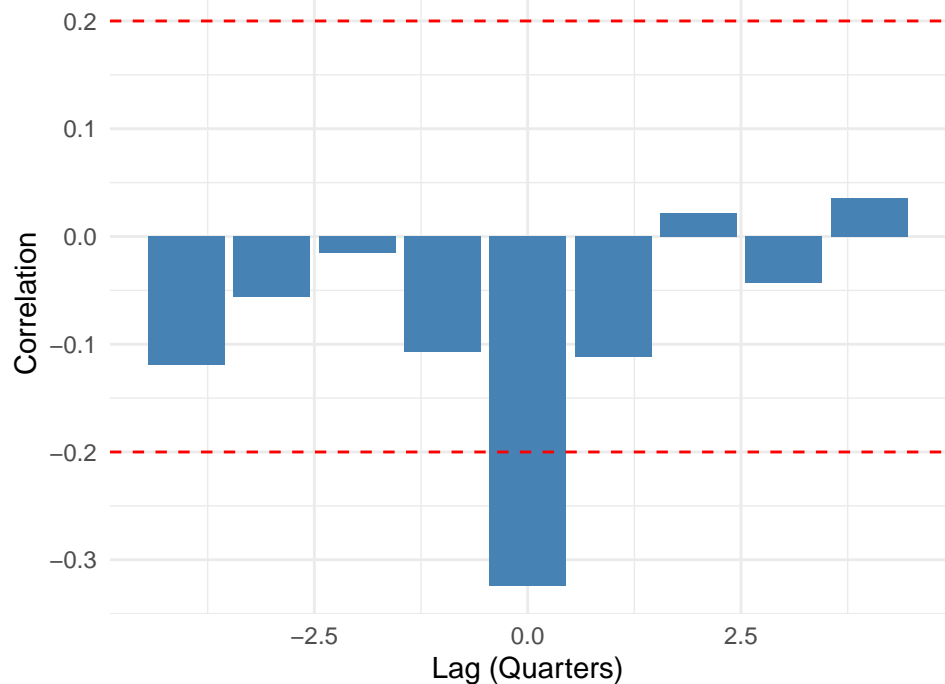


Scatter: DA3m\_REER\_IPCA vs Target

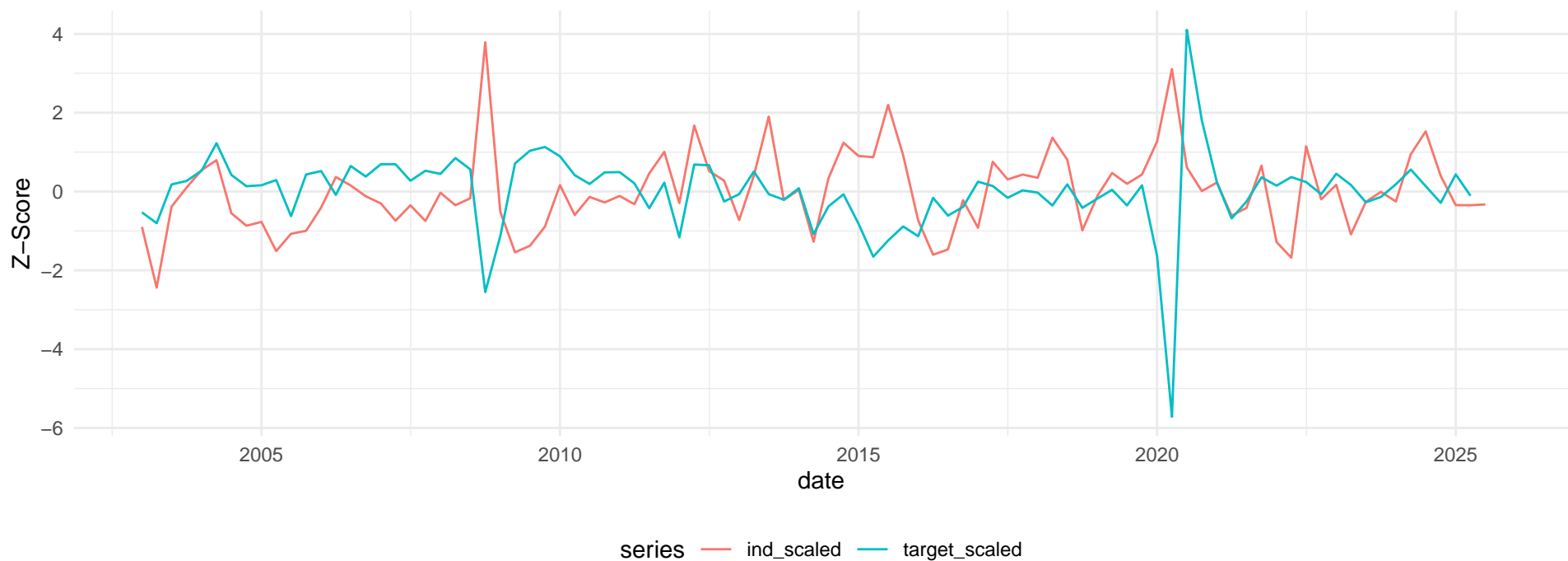
Corr: -0.32



Cross-Correlation (Quarterly Lags): DA3m\_REER\_IPC

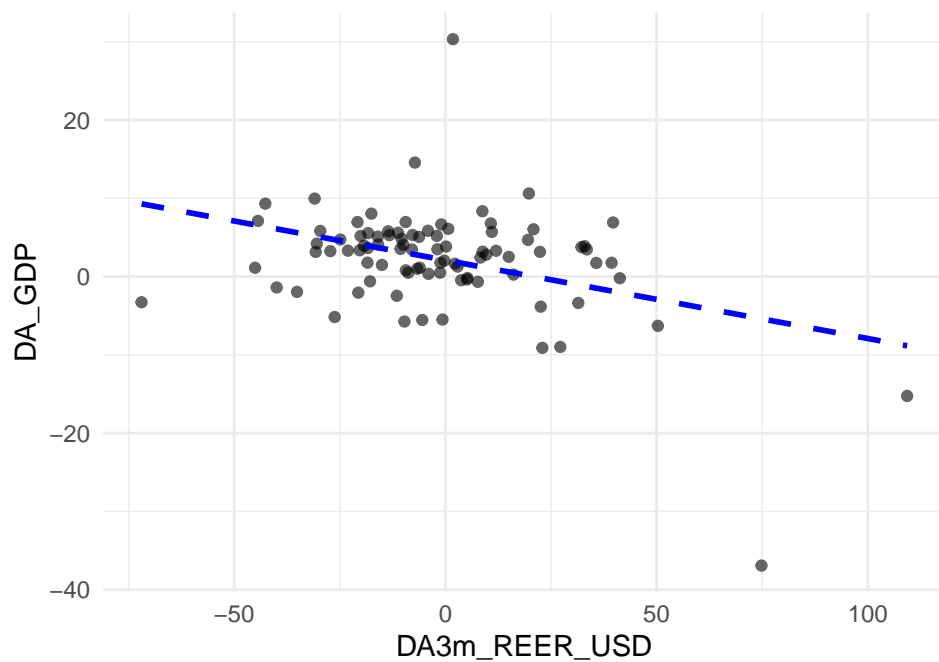


Standardized Time Series: DA3m\_REER\_IPCA

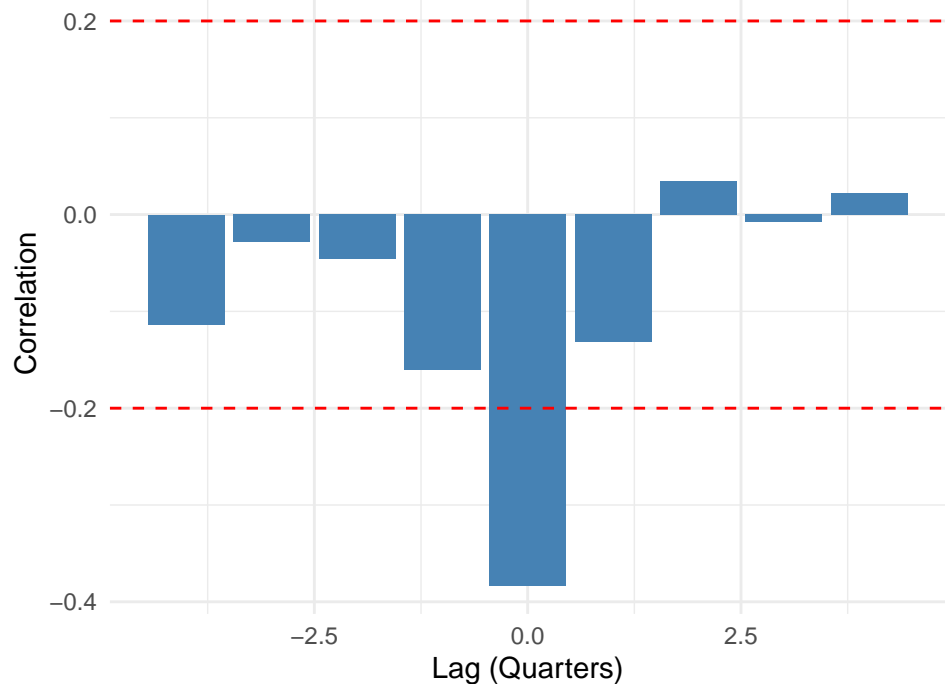


Scatter: DA3m\_REER\_USD vs Target

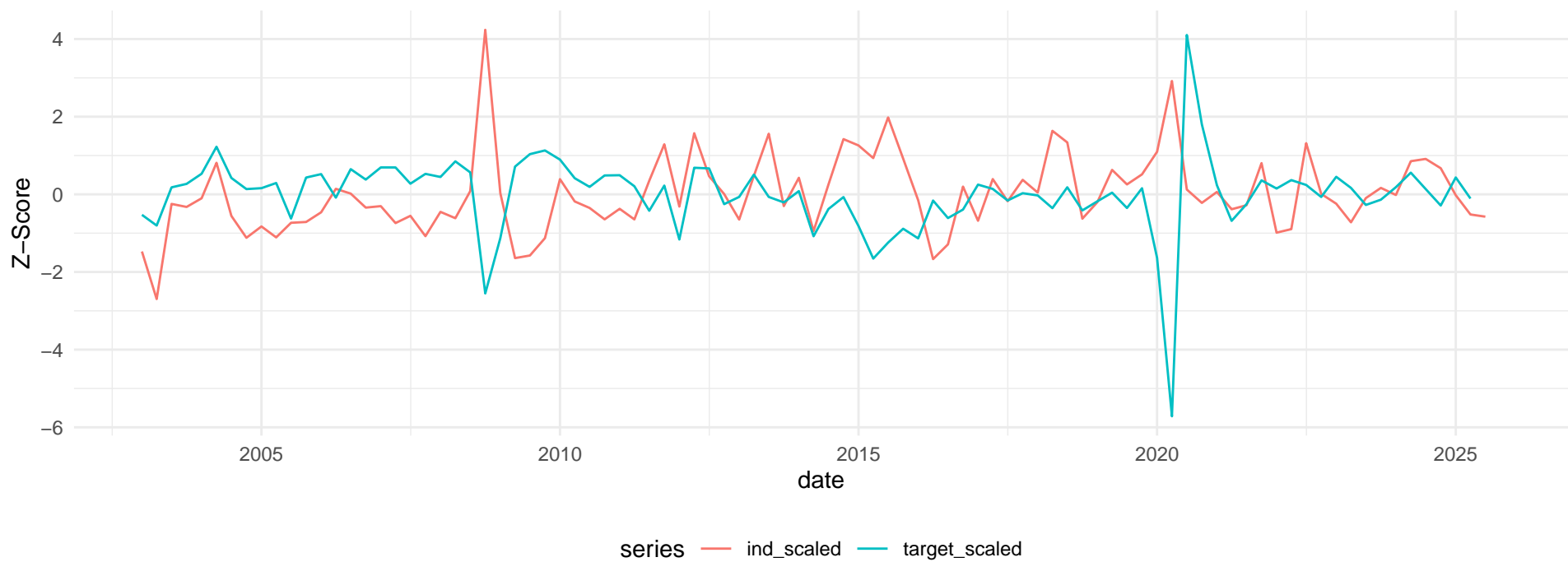
Corr: -0.38



Cross-Correlation (Quarterly Lags): DA3m\_REER\_USD

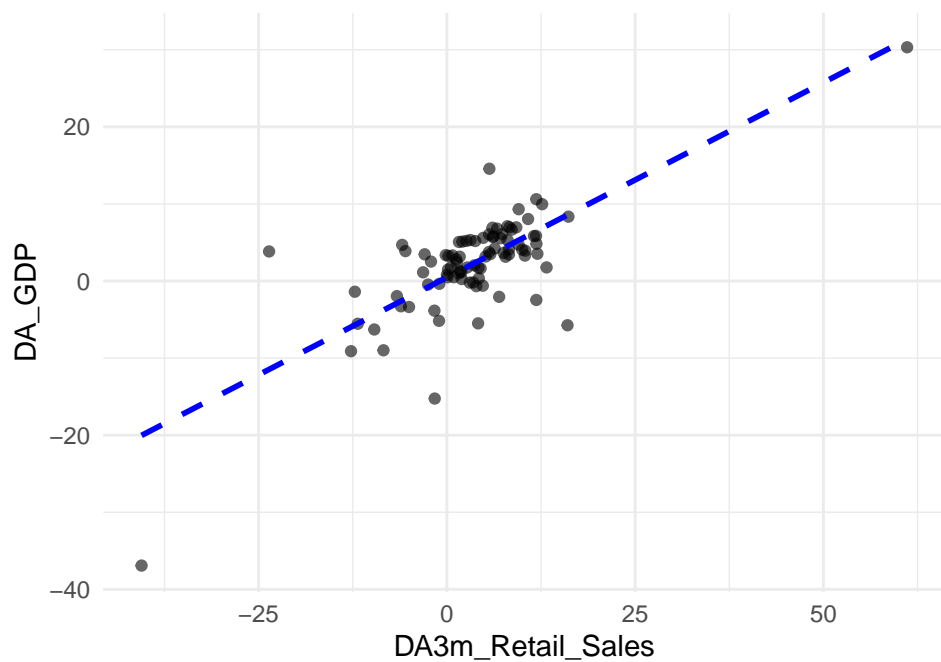


Standardized Time Series: DA3m\_REER\_USD

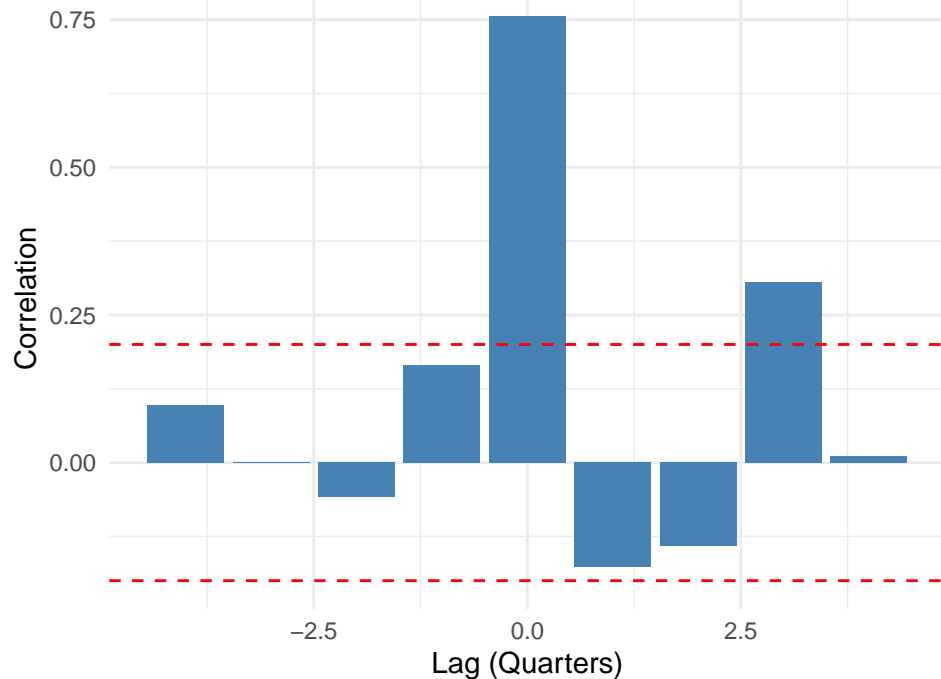


Scatter: DA3m\_Retail\_Sales vs Target

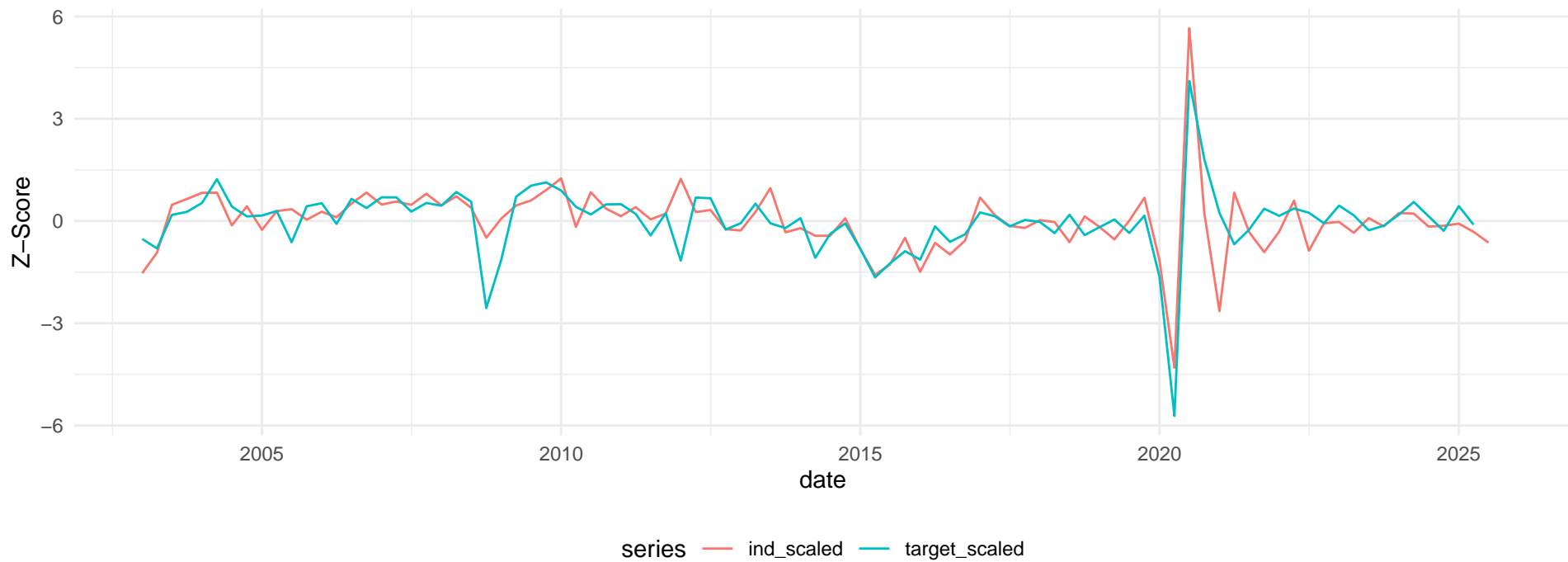
Corr: 0.76



Cross-Correlation (Quarterly Lags): DA3m\_Retail\_Sale

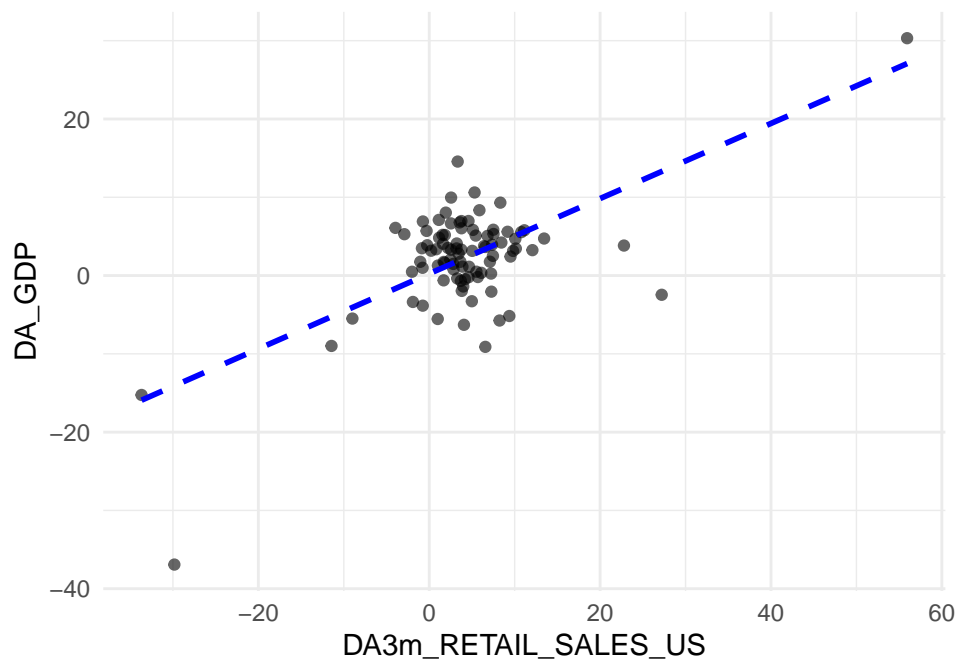


Standardized Time Series: DA3m\_Retail\_Sales

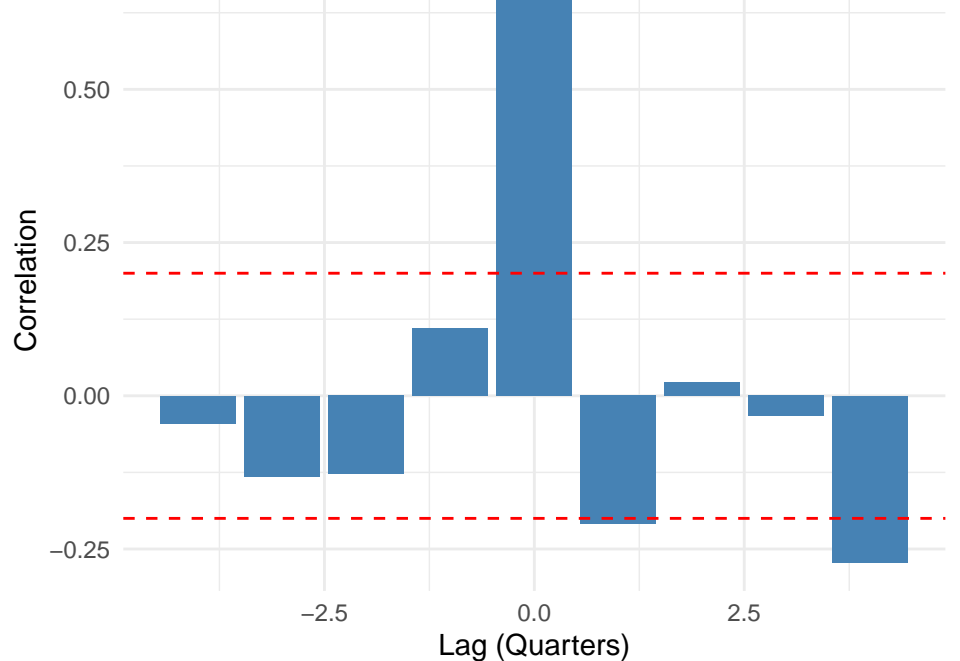


Scatter: DA3m\_RETAIL\_SALES\_US vs Target

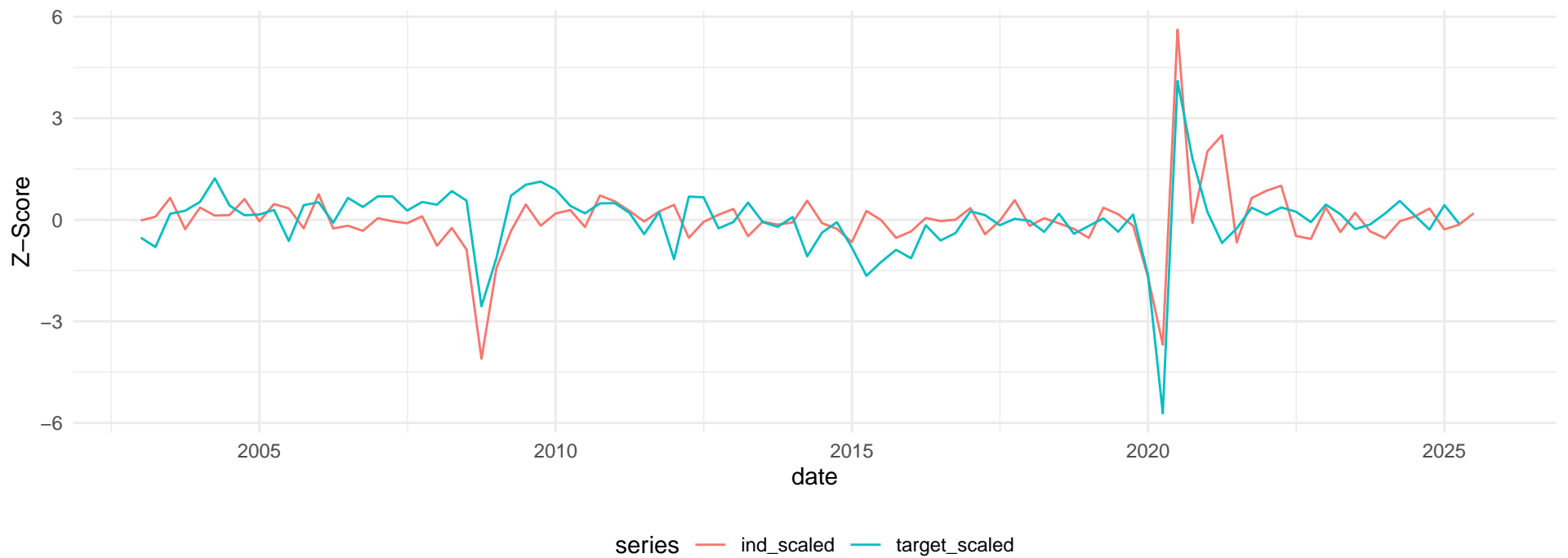
Corr: 0.65



Cross-Correlation (Quarterly Lags): DA3m\_RETAIL\_S

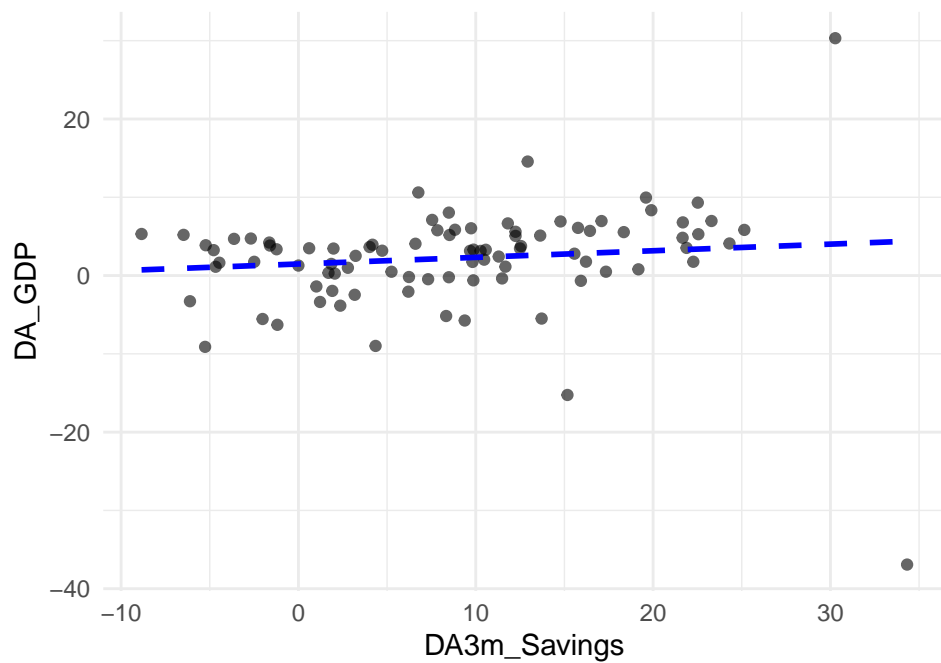


Standardized Time Series: DA3m\_RETAIL\_SALES\_US

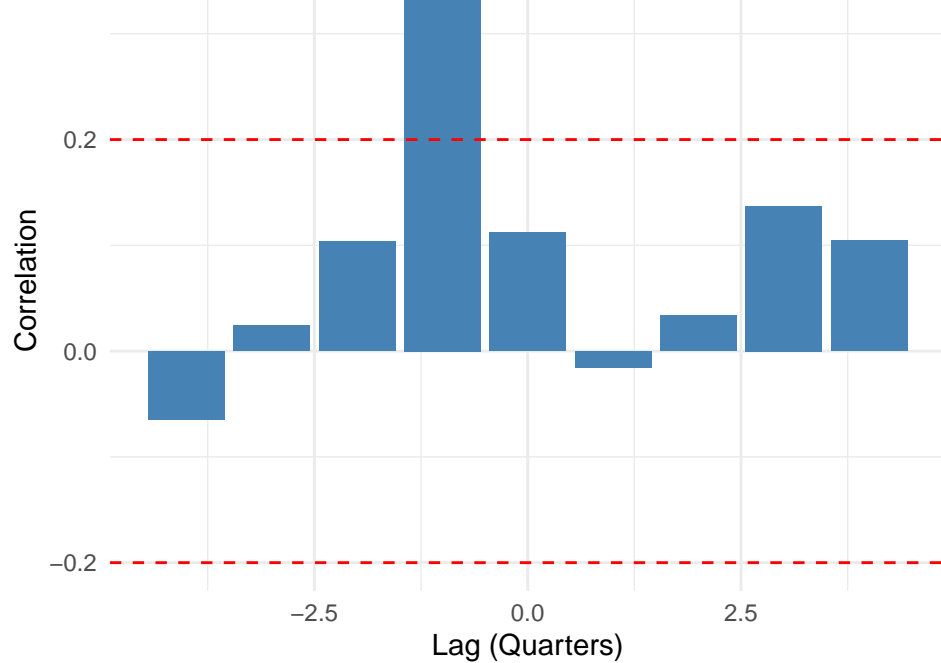


Scatter: DA3m\_Savings vs Target

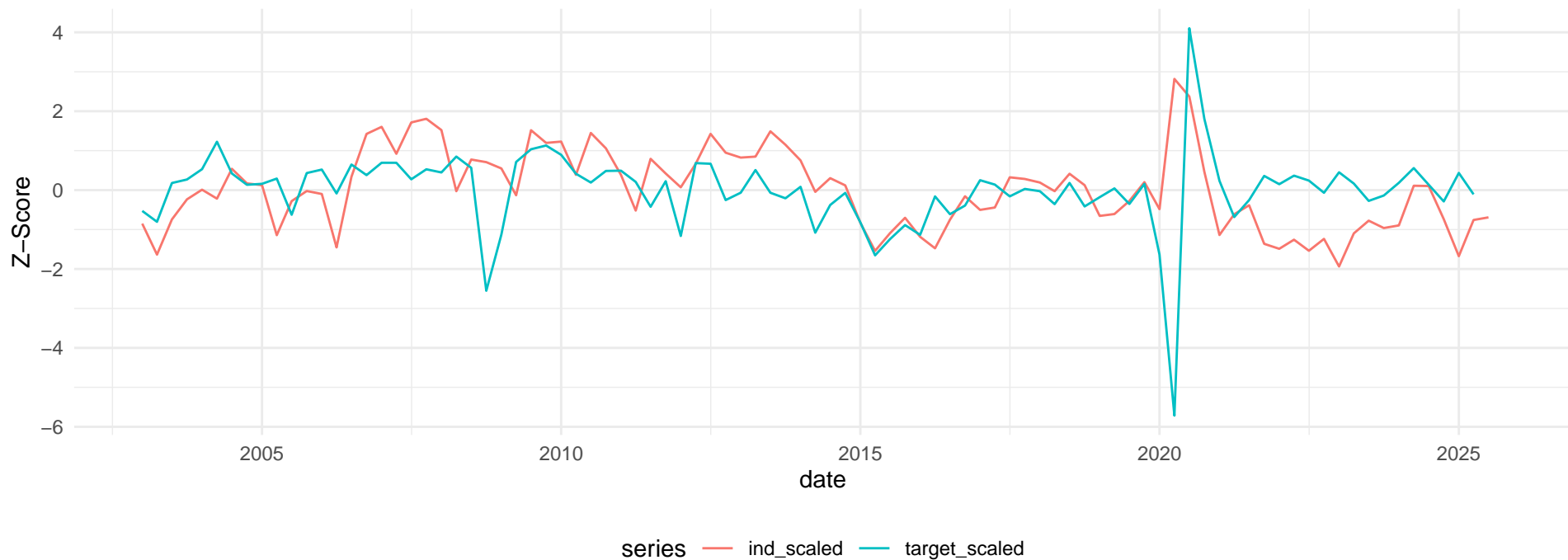
Corr: 0.11



Cross-Correlation (Quarterly Lags): DA3m\_Savings



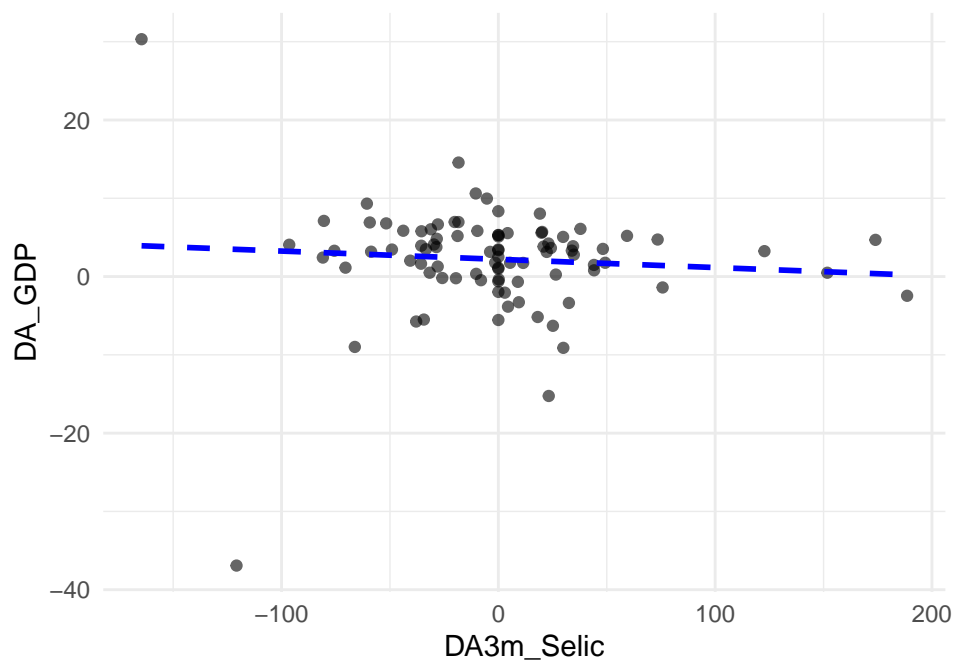
Standardized Time Series: DA3m\_Savings



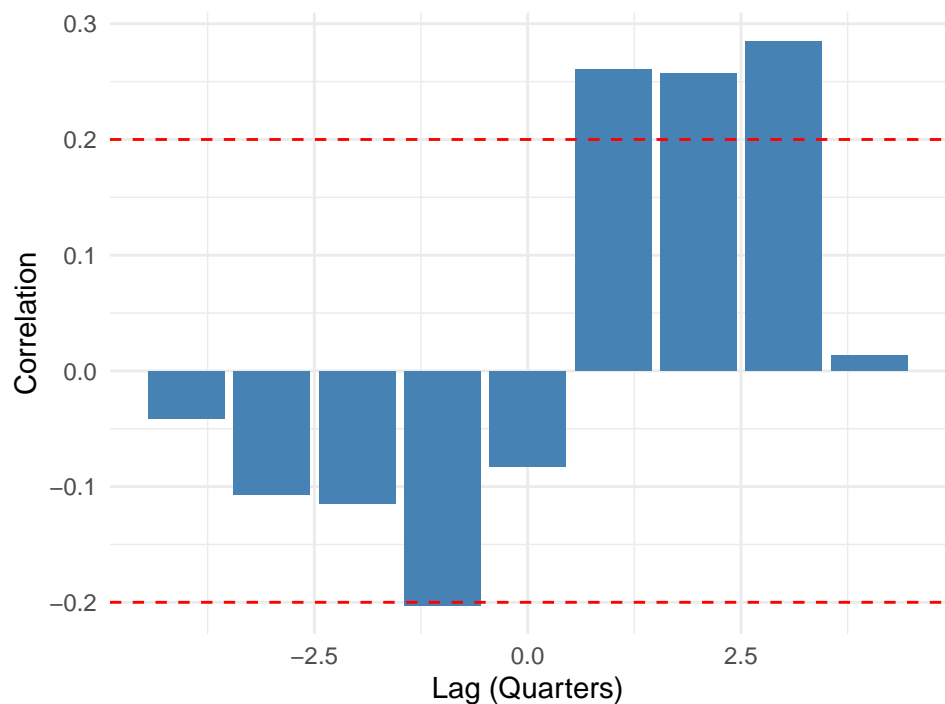


### Scatter: DA3m\_Selic vs Target

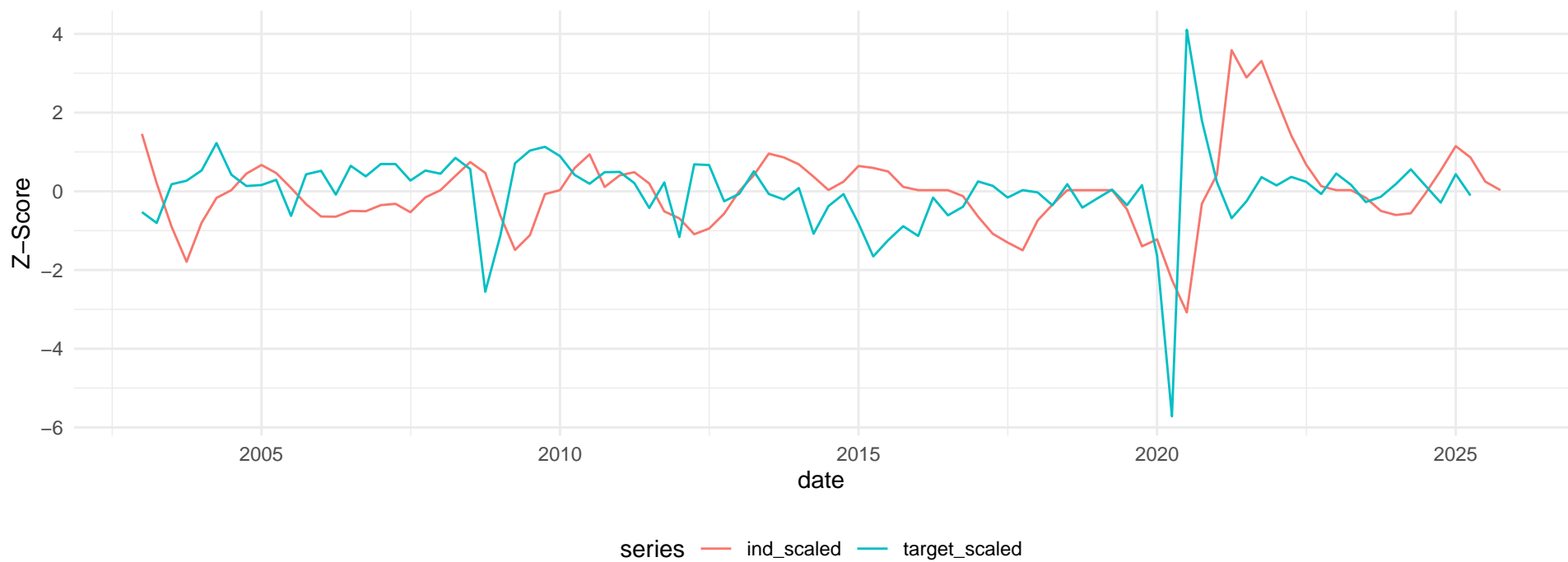
Corr: -0.08



### Cross-Correlation (Quarterly Lags): DA3m\_Selic

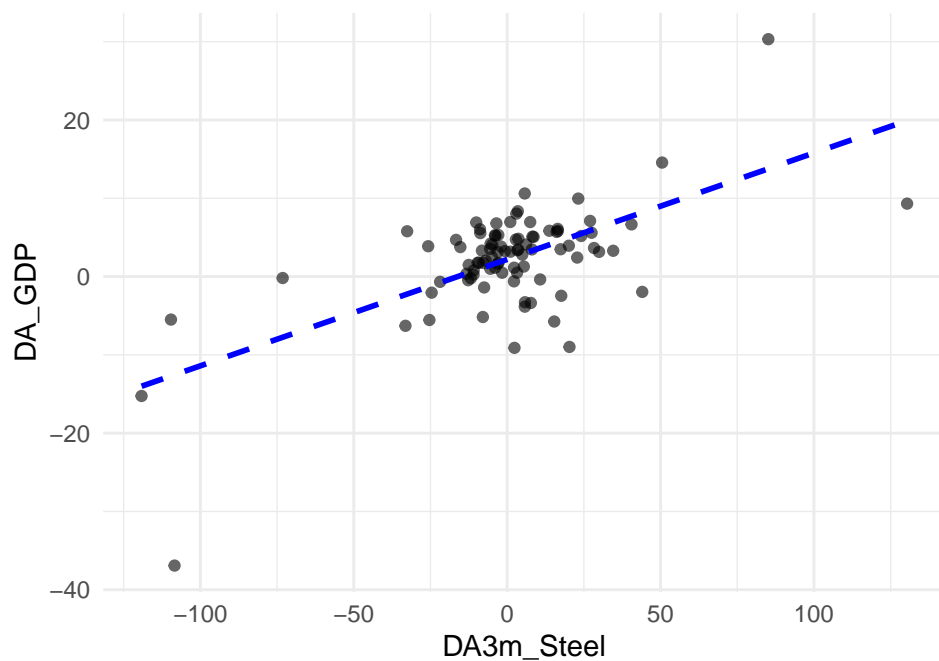


### Standardized Time Series: DA3m\_Selic

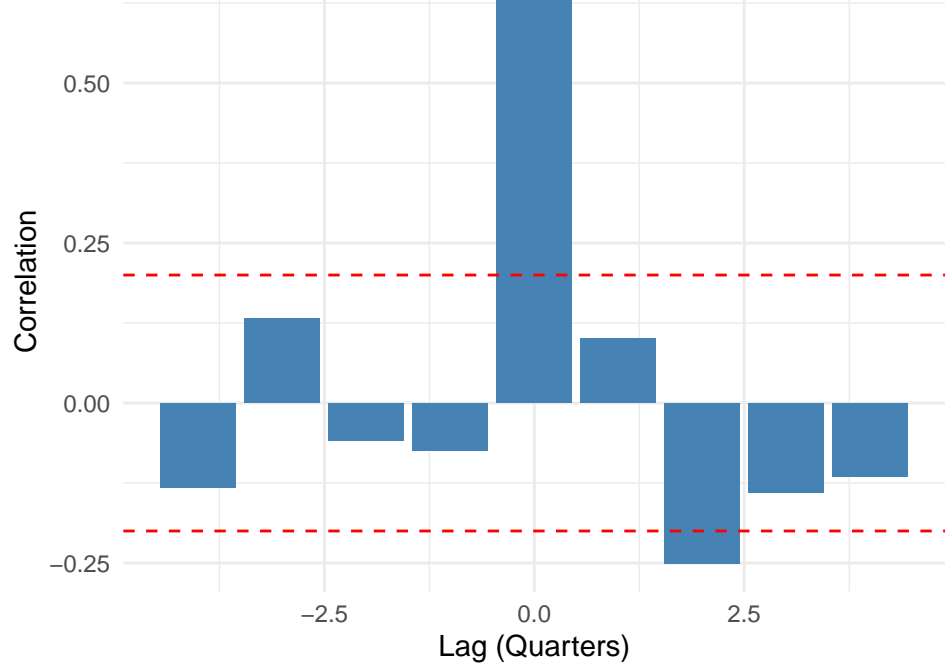


### Scatter: DA3m\_Steel vs Target

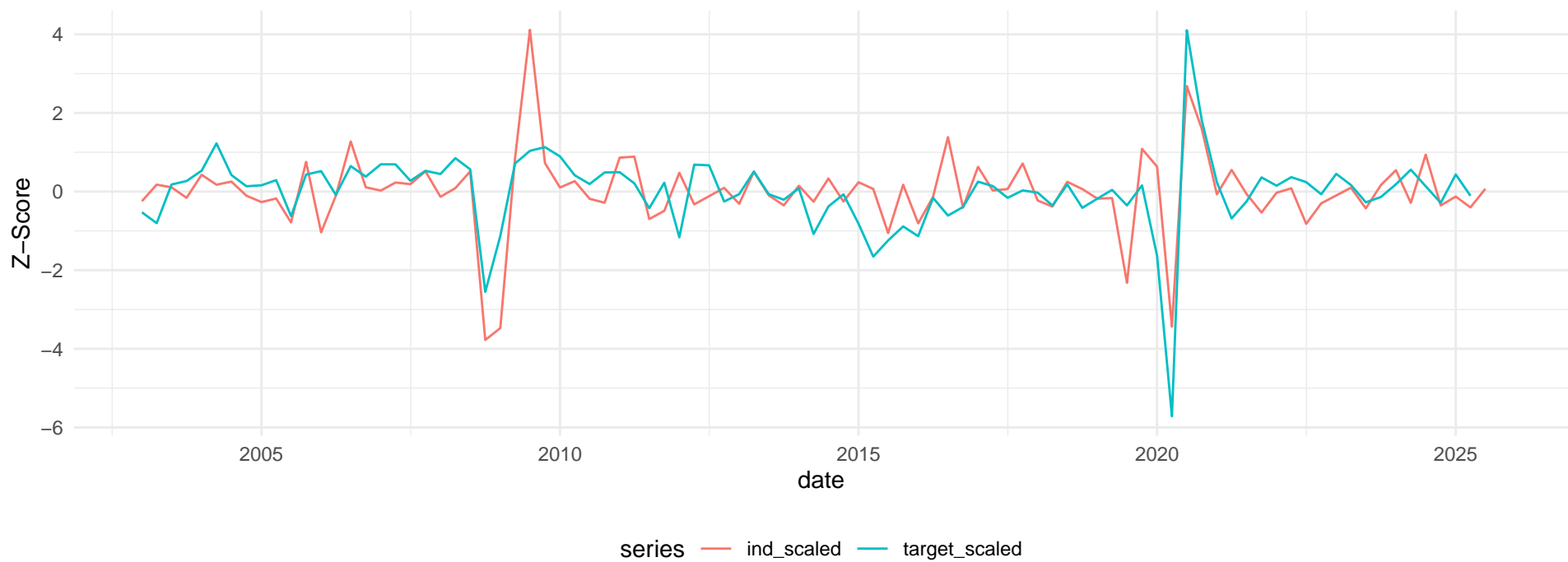
Corr: 0.63



### Cross-Correlation (Quarterly Lags): DA3m\_Steel

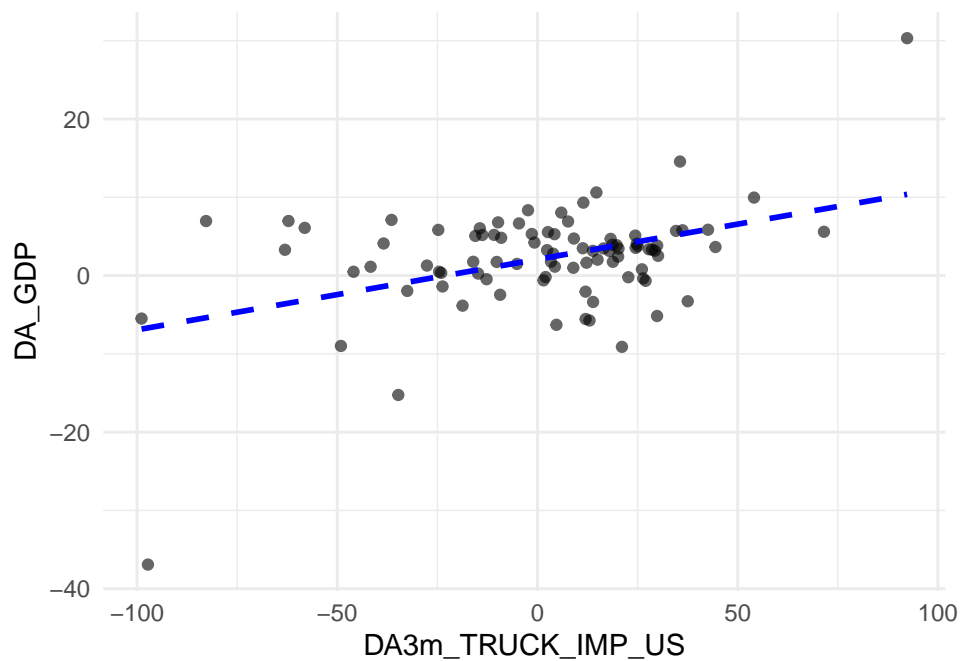


### Standardized Time Series: DA3m\_Steel

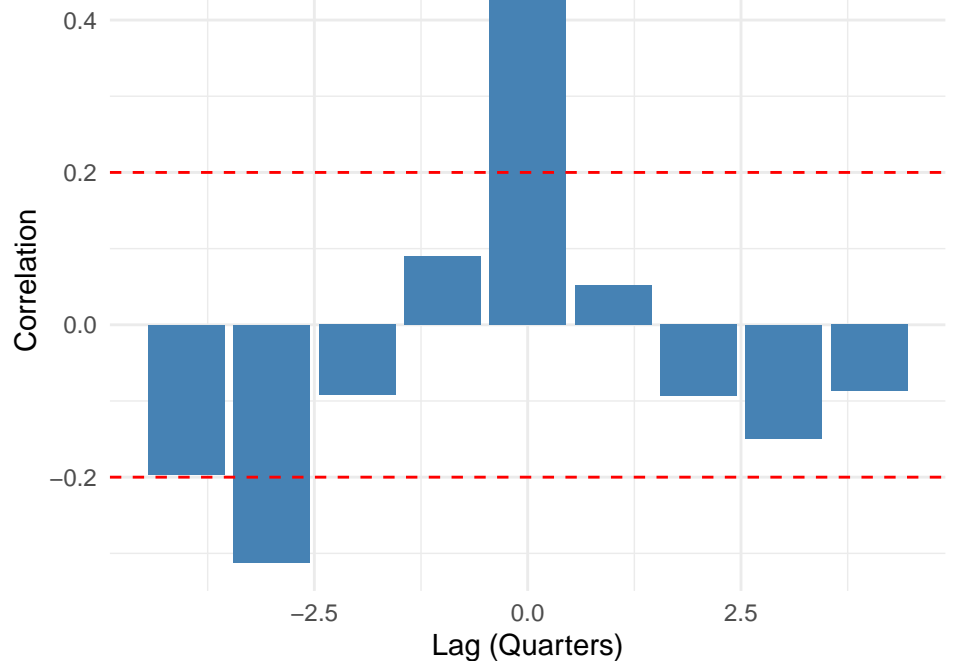


Scatter: DA3m\_TRUCK\_IMP\_US vs Target

Corr: 0.43



Cross-Correlation (Quarterly Lags): DA3m\_TRUCK\_IMP\_US



Standardized Time Series: DA3m\_TRUCK\_IMP\_US

