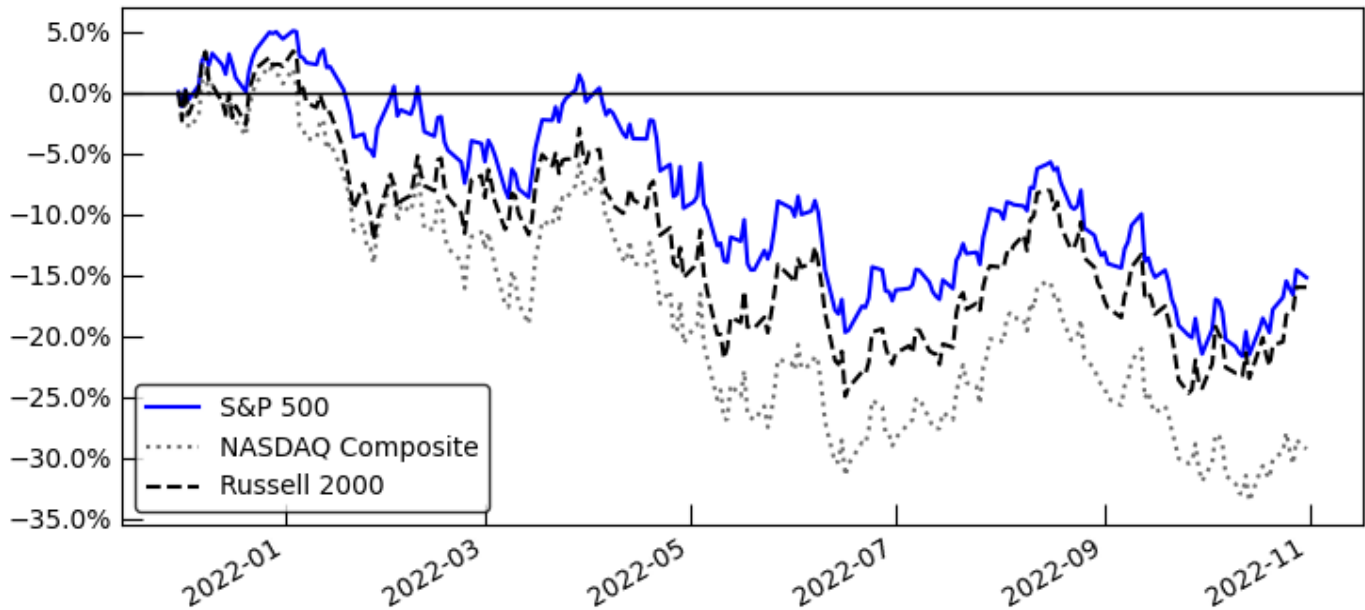


US Business Cycle Report

For the Month of October 2022

US Equity Indices Trailing 12 Month Cumulative Returns



Source: Yahoo Finance, as of 2022-10-31

Monthly Summary

Business Cycle Phase

Early Expansion

Late Expansion

Early Contraction

Late Contraction

Target Asset Allocation

Target Sectors: EN, UT, HC

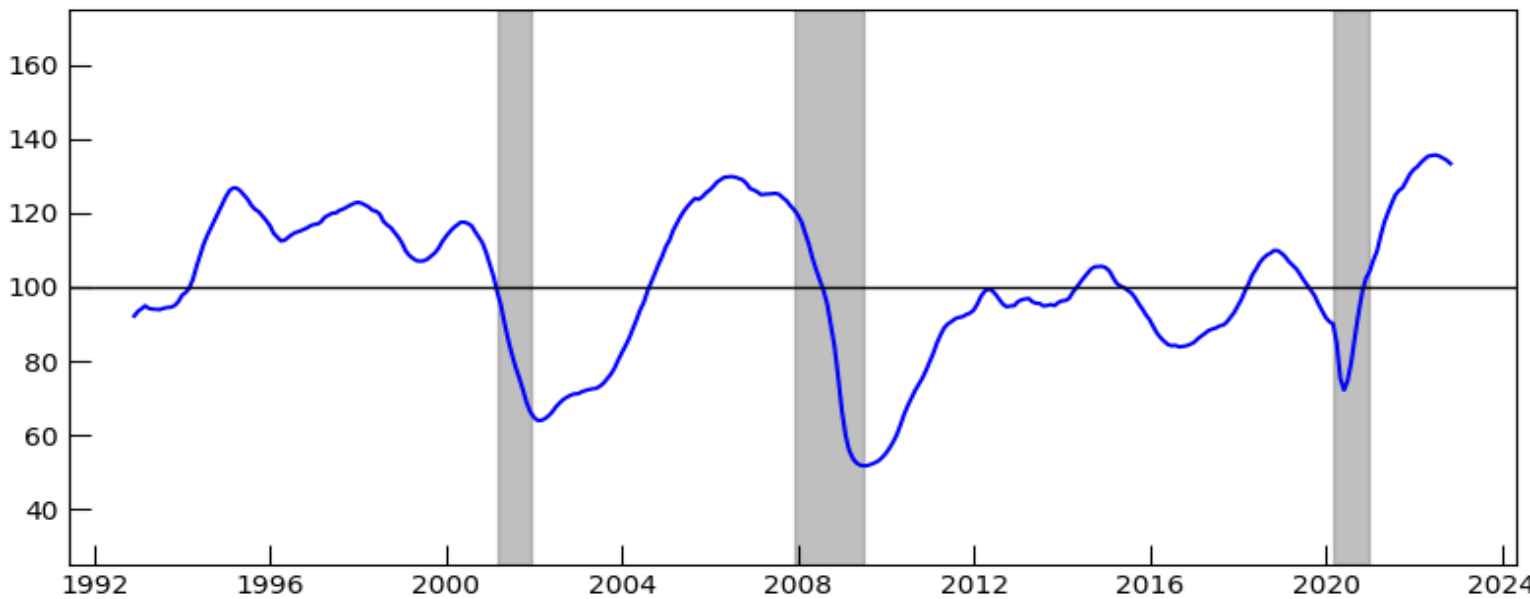
Target Sectors: MA, UT, CS

Target Sectors: CD, HC, CS

Target Sectors: CD, HC, UT

Composite Business Cycle Indicator

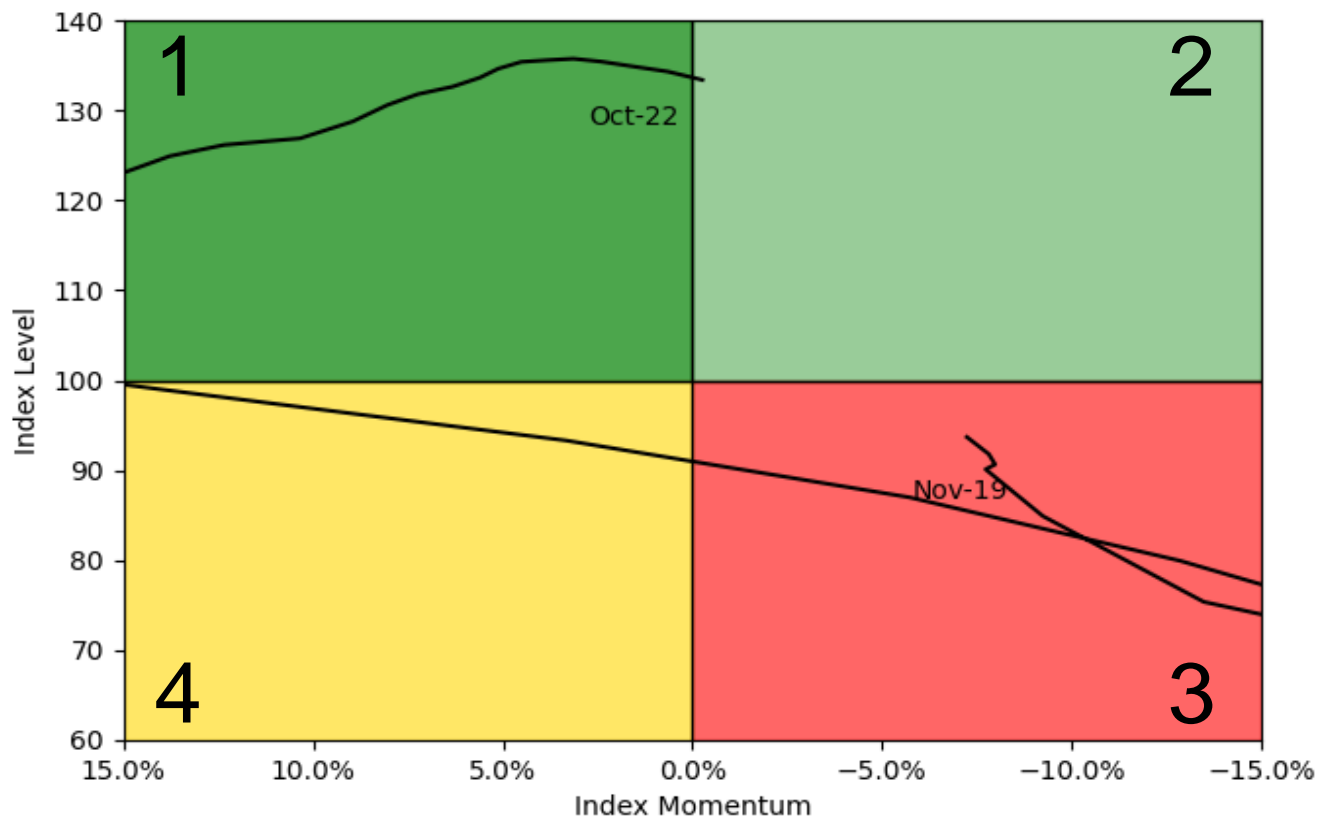
Composite Business Cycle Indicator



Note: Shaded areas represent US recessions as indicated by NBER.

Reading greater than 100 indicates expansion, less than 100 indicates contraction.

Business Cycle Compass

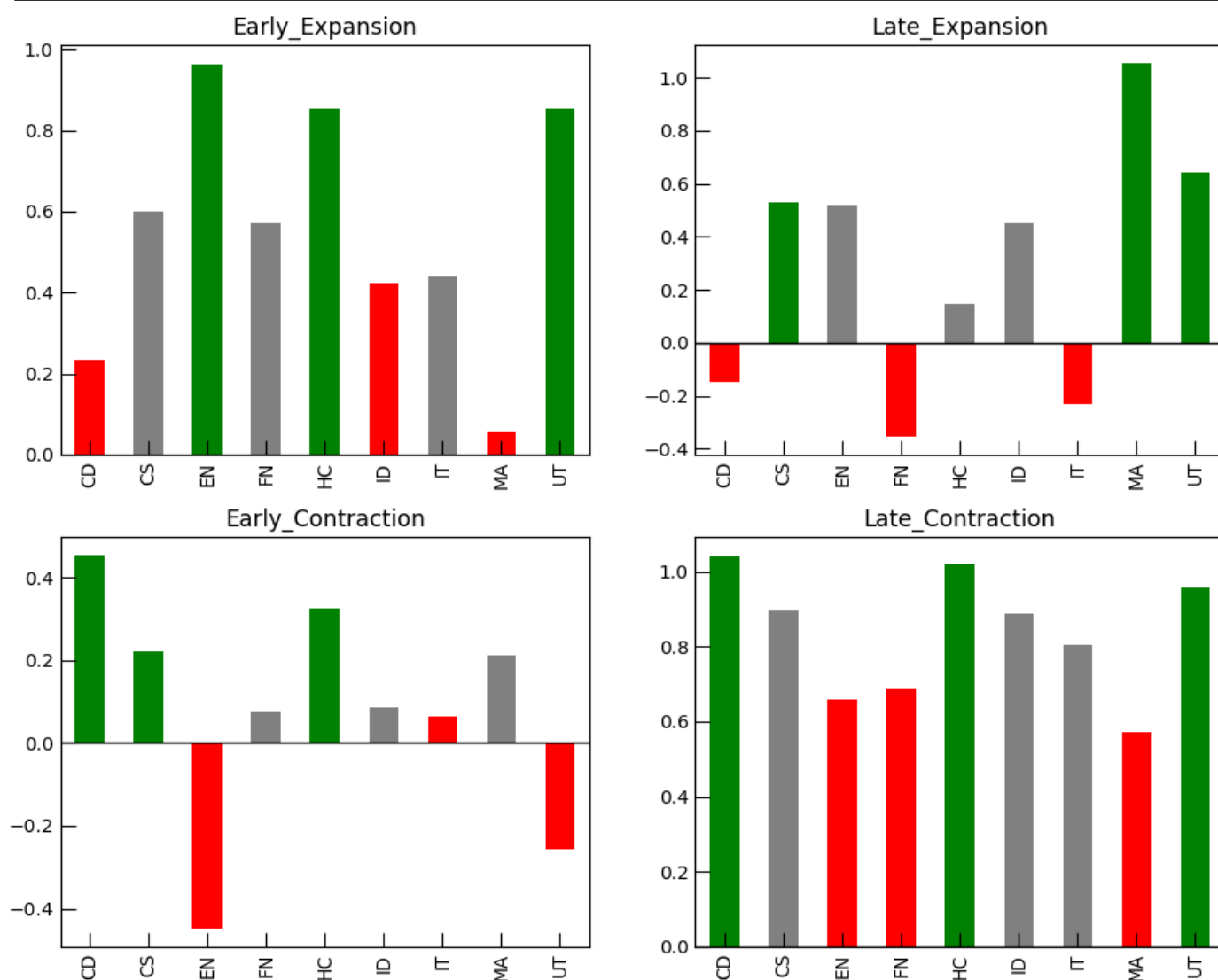


Note: Momentum calculated as 25% 6M Change, 75% 3M Average less 12M Average.

1 = Early Expansion, 2 = Late Expansion, 3 = Early Contraction, 4 = Late Contraction

US Sector Rotation Strategy

US Sectors Information Ratios by Phase of Business Cycle



Note: Green bars denote sectors with long position, red short, and grey neutral.

Sector returns based on SPDR Sector ETF returns from 1999-01-31 to 2022-10-31

Sector Strategy Cumulative Returns, Risk Level 1%

