Economic Outlook

November 2023

Coincident Economic and Financial Conditions Indexes
Current Estimates

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This report publishes the current estimates of the coincident economic (CEI) and financial conditions indexes (FCI) we have designed for the Turkish economy using advanced econometric methods. We used a rich dataset including many macroeconomic and financial indicators with different timing and frequencies.

As financial stability is one of the main conditions for economic growth, FCI is considered a primary leading indicator for CEI. Therefore, based on the joint behavior of these two indexes, we computed the probability of entering an economic recession within the same model framework. This report also publishes these probabilities' current estimates as a numerical reflection of our expectations of the economy's direction in addition to the current estimates of these indices.

The model we use in this report has been published in one of the internationally respected journals in the field. For details, our article can be found at https://onlinelibrary.wiley.com/doi/full/10.1111/obes.12413 .

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Coincident Economic Index (CEI)

According to the most recent model estimates, EDE decreased by 0.4% compared to the previous month in November.[1] The changes in October and September were 0.1% and -0.4%, respectively.

Elaborating on the changes in EDE's components on the production side, according to the latest industrial production index data, there was a 0.1% decrease in August compared to the previous month. A downward trend in the IP is observe since July. PMI, a timelier indicator, remained below the critical threshold of 50, with a value of 48.4 in October. On the other hand, we observe a stark decrease in the import quantity index despite the strong increase in the export quantity index in contrast to last month's figure.

Focusing on the labor market, total employment remained stable in August. Considering all these components, we computed a decrease in the EDE.

Financial Conditions Index (FCI)

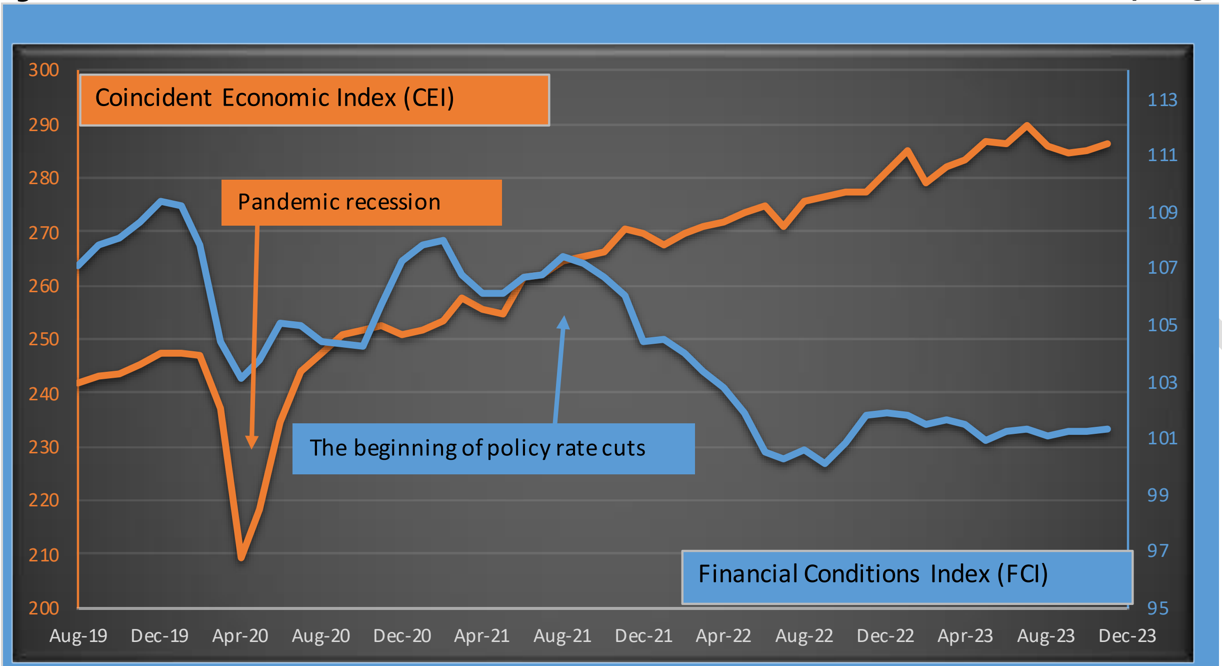
According to the most recent model estimates, FDE increased by 0.10% in November compared to the previous month. The changes in October and September were 0.0% and 0.1%, respectively. Despite the increase in policy rates, the improving risk perceptions and normalization in the financial markets lead the financial conditions to remain stable.

Focusing on the sub-components of FDE, the increase in gross reserves have continued in November. Turkey's 5-year Credit Default Swap (CDS) premium continues to fluctuate felt below the long-lasting bound of 380 with a value of 350 basis points. There has been a decline in credit momentum, leading to a decrease of 3% in real credit volume. Despite contractions in real credit volume and many similar indicators, the improvement in Turkey's risk perception compared to previous months led to divergent movements of the sub-components of the index.

Figure 1 shows the evolution of FCI and CEI starting from 2019. In the first half of 2020, the sharp economic contraction caused by the Covid-19 pandemic and the subsequent rapid rebound is observed in CEI's evolution. Similar drops and rapid rises can be detected for FCI, especially during the term of former Central Bank Governor Naci Ağbal.

[1] As a result of the standardization of the data we imposed for the sake of interpretation of the outcomes, the rate of change in both economic and financial condition indices is expected to be between 2% and +2%. Values less than -2% or higher than +2% can be interpreted as low probability extreme values. For example, in the past, these values were observed as -2.08% in November 2008, the trough of the 2008 recession, and -2.17% in July 2016. Therefore, the proximity of these values to 2% will also inform us about the severity of the contraction.

Figure 1. Coincident Economic and Financial Conditions Indexes Estimates as of November, 2023

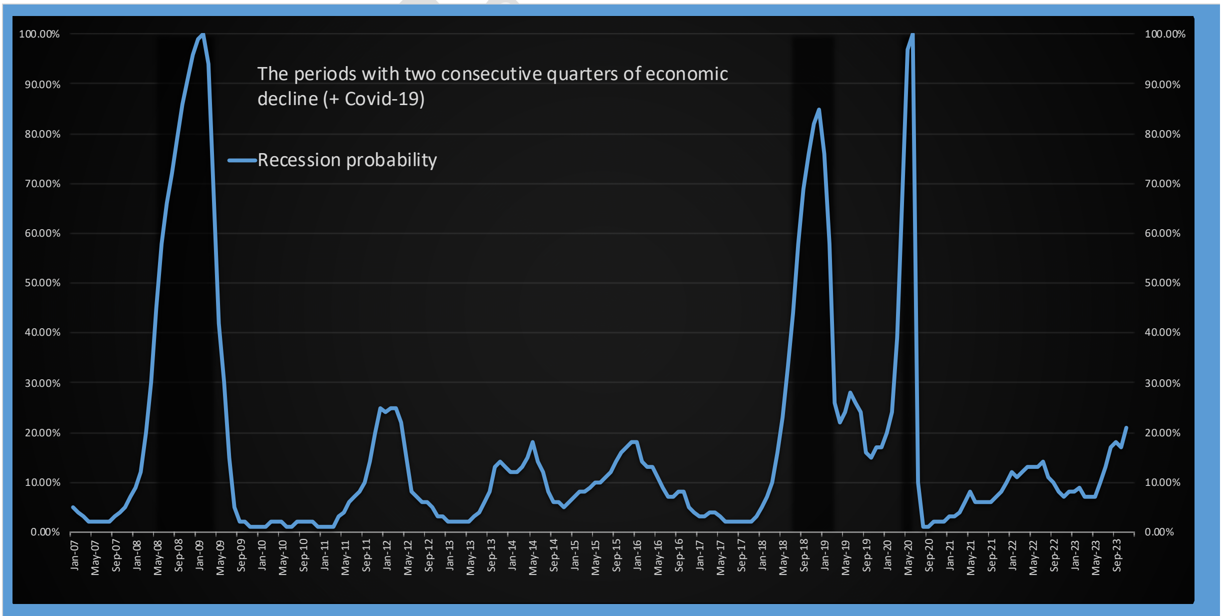


Source: Author's calculations

Probability of Economic Recession

We compute the probability of the economy entering a recession in the short term based on the joint behavior of CEI and FCI. Figure 2 illustrates these probabilities' evolution from 2007 to the present. This month this probability is computed as 21%.

Figure 2. Recession probabilities computed using available data as of November 2023



Source: Author's calculations