

## Economic Outlook

September 2023

### Coincident Economic and Financial Conditions Indexes Current Estimates

Cem Çakmaklı, PhD  
Koç University, College of Administrative Sciences and Economics  
Department of Economics  
Email: [ccakmakli@ku.edu.tr](mailto:ccakmakli@ku.edu.tr)  
Twitter: [@Cem\\_Cakmakli](https://twitter.com/Cem_Cakmakli)

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>.

## Coincident Economic Index (CEI)

**According to the most recent model estimates, EDE increased by 0.5% compared to the previous month in September.**<sup>1</sup> The changes in August and July were 0.7% and 1.1%, respectively.

Elaborating on the changes in EDE's components on the production side, according to the latest industrial production index data, there was a 0.4% decrease in July compared to the previous month. After the rise in March following the February earthquake, the index on average remained low. The substantial rise in May and June after the decline in April indicates a strong correction. However, this rise seems to be halted in July. PMI, a timelier indicator, fell below the critical threshold of 50, with a value of 49 in August. On the other hand, we observe a stark decrease in the export quantity index despite the strong increase in the import quantity index.

Focusing on the labor market, total employment increased by 1% in July. Considering all these components, we computed a mild increase in the EDE.

## Financial Conditions Index (FCI)

**According to the most recent model estimates, FDE increased by 0.45% in September compared to the previous month.** The changes in August and July were 0.1% and 0.7%, respectively. Despite the increase in policy rates, the improving risk perceptions lead the financial conditions to recover albeit mildly.

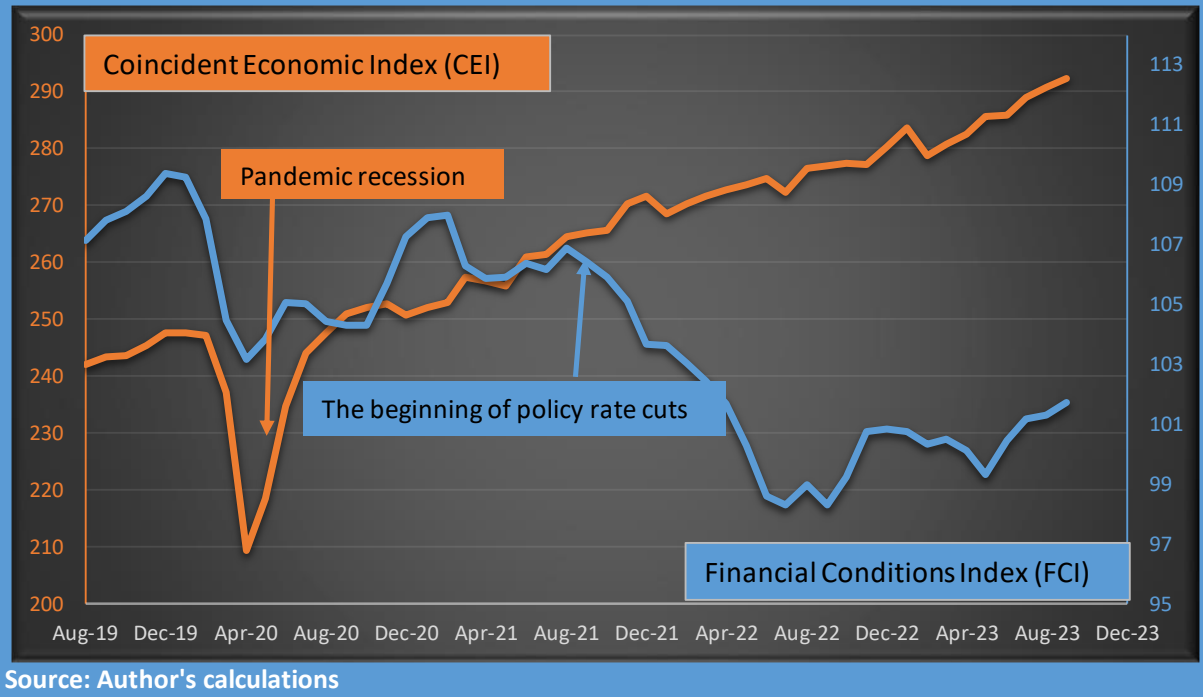
Focusing on the sub-components of FDE, there was a strong surge in gross reserves in September. Turkey's 5-year Credit Default Swap (CDS) premium continue to fluctuate between 380-420 with a value of 380 basis points. There has been a decline in credit momentum, leading to a sharp decrease of 8.2% in real credit volume similar to previous month. 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.

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<sup>1</sup> 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 September, 2023**  
 Coincident Economic (left axis) and financial conditions (right axes) indexes

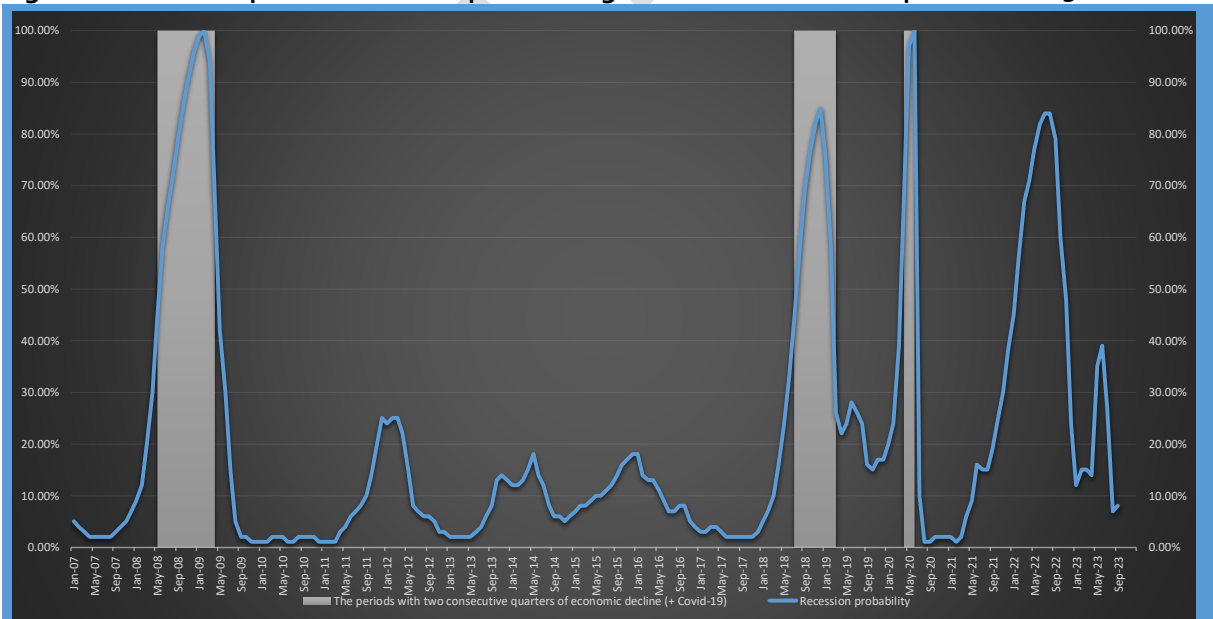


Source: Author's calculations

### 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. In June, we had calculated this probability to be 39%. This month this probability has decreased to 8%.

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



Source: Author's calculations