

MOTIVATION

- Most existing studies on the **confidence** are based on **country-specific** evidence.
 - The role and the nature of **global confidence** cycles are little studied.
- Few studies compare the role of confidence and **uncertainty** shocks.
 - The two are not necessarily identical.
- Research questions:
- 1. Is there a **global confidence cycle**?
- 2. What is the **role** of global confidence shock in global macroeconomic and financial cycles?
- 3. How do we compare the impact of **confidence** to that of economic **uncertainty**?

METHODOLOGY

• **Dynamic factor model**: estimates global vari**ables** of the monthly series

$$D_{i,t} = \beta_{D,i}^* f_{D,t}^* + e_{D,i,t} \tag{1}$$

• **FAVAR**: investigates the dynamic causality of global block:

$$B_0 Y_t = \alpha + \sum_{p=1}^{\tau} B_j Y_{t-p} + \varepsilon_t$$
(2)

- Identification: Cholesky restrictions, ordering the global confidence indicators *last*. (Economic and financial developments $\stackrel{\circ}{\rightleftharpoons}$ confidence)
- Variables $(D \in \{u, b, c, y, l, \pi, r\})$:
 - Business and Consumer confidence indicators (b, c), and a Uncertainty measure (u)
 - Unemployment rates (*l*)
 - Industrial output (year-on-year, *y*)
 - Long-term interest rate (10-year, *r*)
 - CPI inflation (π)

FUTURE RESEARCH

- A follow-up work can be extended to
- the domestic transmission of the shocks, or
- the specific distinction of shock natures into "news" or "sentiments."

GLOBAL CONFIDENCE, UNCERTAINTY, AND BUSINESS CYCLES

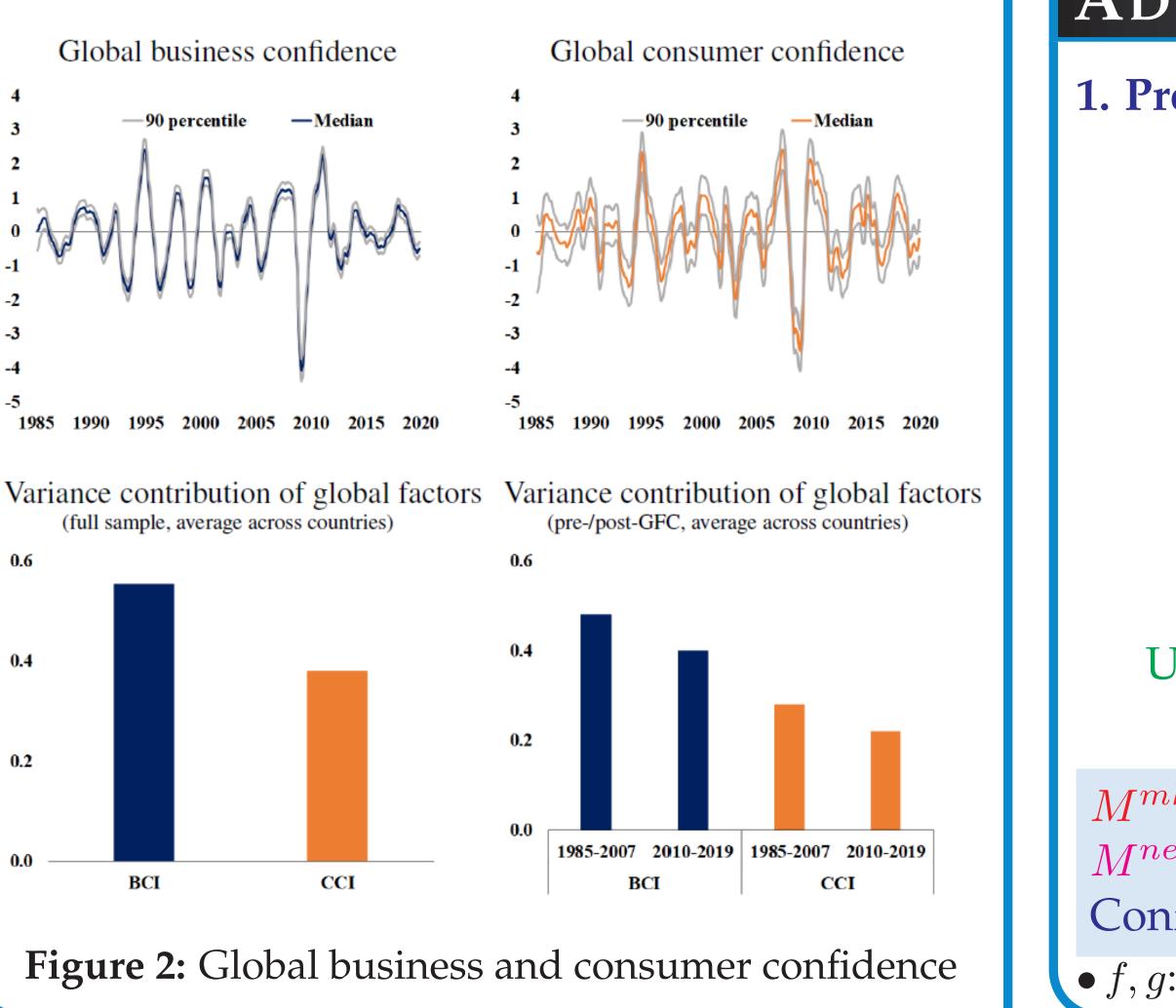
JONGRIM HA^1 AND **INHWAN** SO^2 ¹WORLD BANK,

KEY FINDINGS

- The **global** (consumer) **confidence cycles** have played a key role in **global business cycle fluc**tuations (over a third of total variations).
- While **global business confidence** shocks are demand-driven, global consumer confidence seems to reflect both demand and supply shocks ("animal spirit" and "news" views).
- Confidence acts as an important channel in the transmission of uncertainty shocks.

GLOBAL CONFIDENCE CYCLE

- Global factors of business and consumer confidence identify well **global recessions**.
- The global factors explained 57% and 38% of total variations in business and consumer confidence indicators ("*global confidence cycle*").
- Global consumer confidence leads global business confidence. The cross-country comovement of business confidence is stronger than consumer confidence.



REFERENCES

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- [2] Jarociński, M. and Karadi, P. Deconstructing monetary policy surprises—the role of information shocks. *American Economic Journal: Macroeconomics*, 12(2):1–43, 2020.

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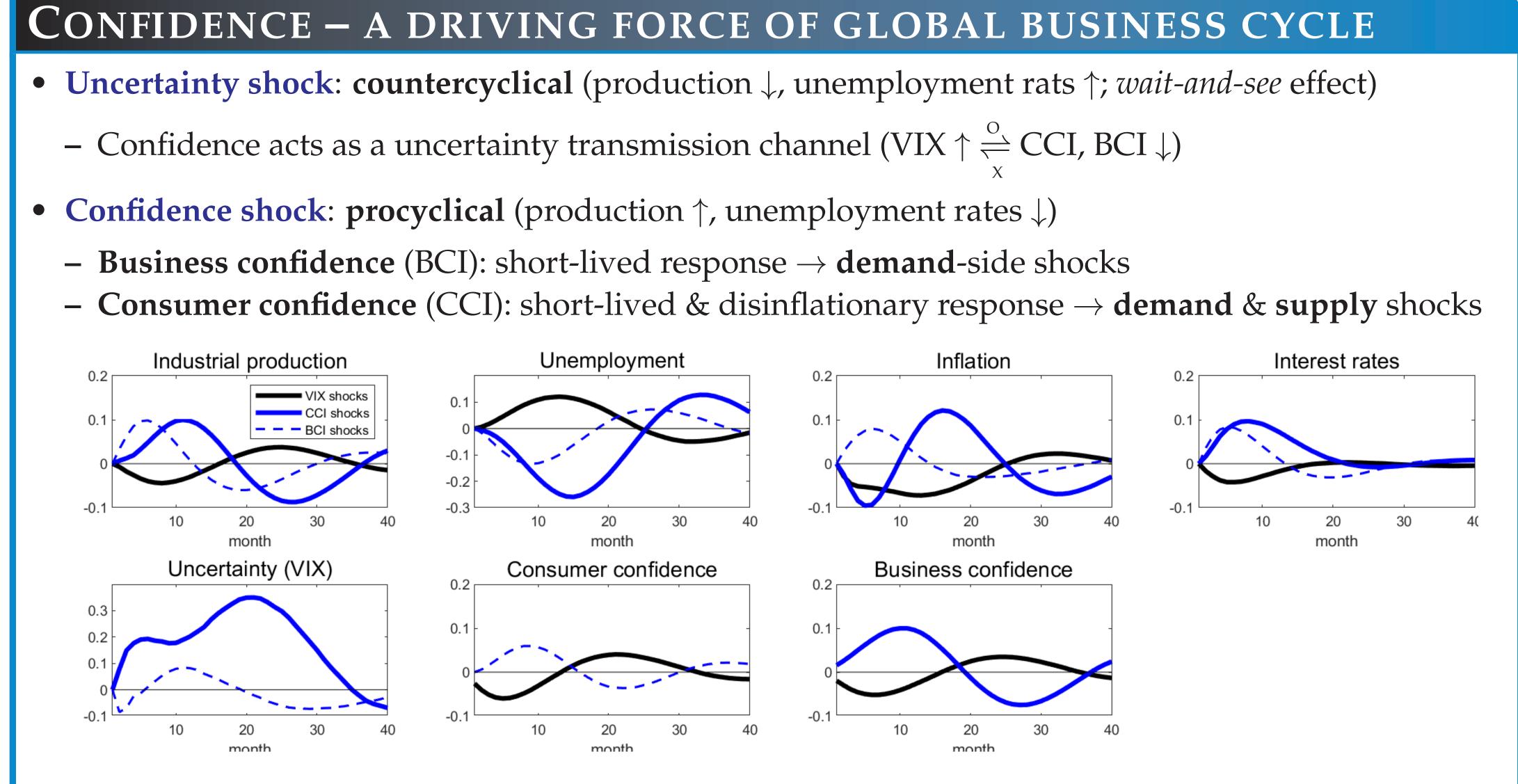


Figure 1: Impulse responses to uncertainty and confidence shocks (One-standard-deviation increase)

ADDITIONAL CHECKS

1. Proxy VAR (with **poor man's approach**) **Separating confidence from uncertainty shocks** (*i*) Filter out non-informative components (*a*) from M^{mkt} the daily shifts of market-based sentiment measures (M^{mkt} , e.g. VIX, gold price). (a)(*ii*) The series is disentangled into uncertainty (*b*)and confidence (c)-specific components, using (C)news-based measures (M^{news} , e.g. EPU). M^{news} (*iii*) The daily series are compiled into monthly. 2. Alternative Cholesky ordering • Ordering the confidence (and the uncertainty) Uncertainty Confidence indicators *last* vs. *first*? $M^{mkt} = f([\text{Uncertainty}] \times [\text{Signal}] \times [\text{Others}])$ 3. Different uncertainty measures $M^{news} = q(\text{Uncertainty})$ • e.g. EPU, Financial uncertainty Confidence = h(Signal)• *f*, *g*: increasing function, *h*: decreasing function ► The results are all robust.

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