

Monetary policy vs fiscal policy and their impact on foreign direct investments: the Case of Tunisia

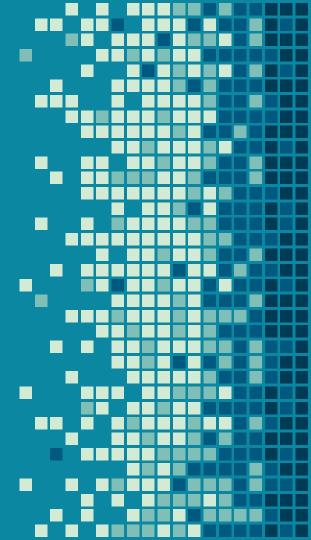
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- Previous inflows of FDI in Tunisia were meager despite the efforts made by Prior Governments, accounting for only 0.2% of GDP in 2018 against 3.6% in 2010.
- Tunisia needs to attract increased FDI in order to be able to finance its growing current account deficit which increased over the period from TD 8,298 million in 2010 to TD 15,592 million in 2017 and TD 19,049 million in 2018.

66 Main question

- 1. which domestic factors are important in driving FDI inflows to Tunisia?
- 2. does higher interest rates and lower inflation attracted FDIs?
- 3. can the fiscal stimulus be effective in attracting FDIs?



Data: Annual time series data on foreign direct investment inflows (FDI), the inflation rate (INF) measured in variation of consumer price index (CPI), the money market rate (TMM), direct tax (DTax), indirect tax (inTax) and Gross Domestic Product (GDP) which cover the 1986-2018 period, have been used in this study. The set of explanatory variables selection is based on data availability. Also, the use of annual time series is essentially due to unavailability of long period quarterly data, particularly for tax revenue.

The ARDL bounds testing approach introduced originally by Pesaran and Shin(1999) and then extended by Pesaran et al.(2001) is adopted to test the issue empirically for Tunisia.

On the basis of the vector autoregression (VAR) model, impulse response function (IRF) is used to simulate the dynamic response of FDI inflows after shocks over the endogenous variables.

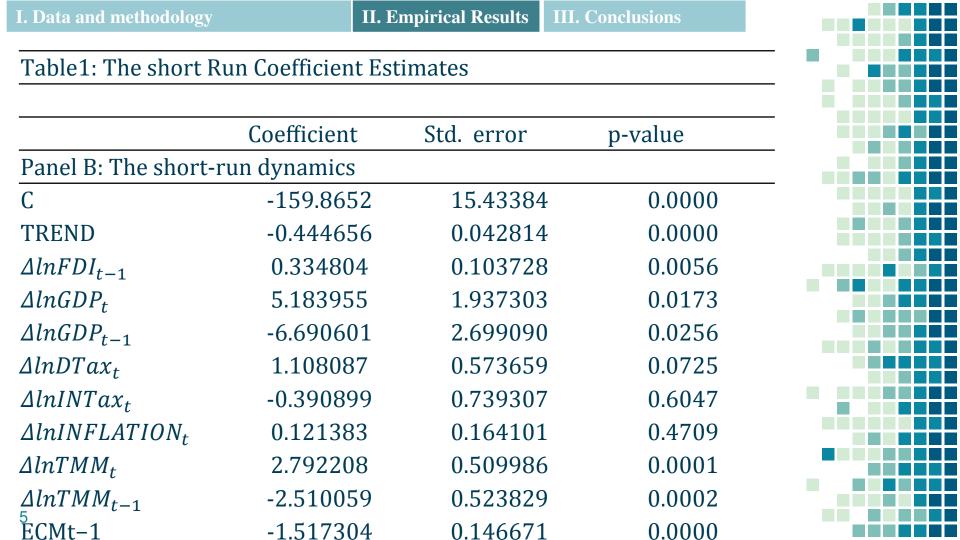


Table2: The ARDL	estimates of long r	un relationship.
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	Coefficient	Std. error	p-value	
Panel A: The long-run relationships				
$lnGDP_t$	10.45589	1.938966	0.0001	
$lnDTax_t$	1.969628	0.841576	0.0535	
$lnINTax_t$	-1.828007	1.051431	0.0026	
$lnINFLATION_t$	-0.643494	0.183349	0.0032	
$lnTMM_t$	3.613663	0.501820	0.0000	

We found evidence of the existence of long-run cointegration relationship between FDI, inflation rate , money market rate (TMM), indirect taxes and GDP.

I. Data and methodology Response of DLN

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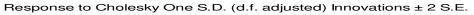
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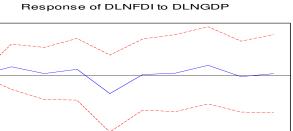
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II. Empirical Results

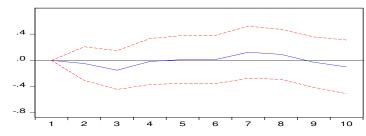
III. Conclusions



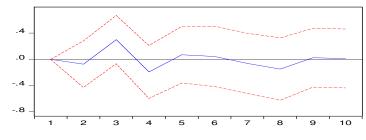
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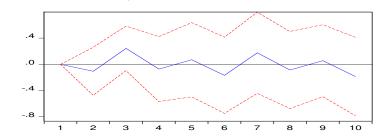
Response of DLNFDI to DLNDTAX



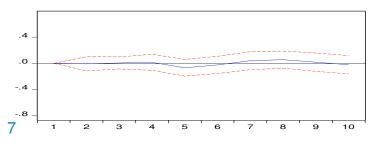
Response of DLNFDI to LNINTAX



Response of DLNFDI to DLNTMM



Response of DLNFDI to DLNINFLATION



- GDP impulse respond with immediately positive effect on the first 4 years and then effects becomes slightly lower.
- The FDI responds to indirect tax effects in 2Y and then keep in fluctuating with higher effects compared to indirect tax revenue.
 - The response of FDIs to money market rate is immediate effect that did not disappear even after about 10 years.
- Increases in direct tax and inflation do not generate a significant effect on FDI.

Impulse response function

