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## Data in Brief

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Data Article

## A cross-country Exchange Market Pressure (EMP) dataset

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## ABSTRACT

The data presented in this article are related to the research article titled - "An exchange market pressure measure for cross country analysis" (Patnaik et al. [1]). In this article, we present the dataset for Exchange Market Pressure values (EMP) for 139 countries along with their conversion factors,  $\rho$  (rho). Exchange Market Pressure, expressed in percentage change in exchange rate, measures the change in exchange rate that would have taken place had the central bank not intervened. The conversion factor  $\rho$  can be interpreted as the change in exchange rate associated with \$1 billion of intervention. Estimates of conversion factor  $\rho$  allow us to calculate a monthly time series of EMP for 139 countries. Additionally, the dataset contains the 68% confidence interval (high and low values) for the point estimates of  $\rho$ 's. Using the standard errors of estimates of  $\rho$ 's, we obtain one sigma intervals around mean estimates of EMP values. These values are also reported in the dataset.

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## Specifications Table

Subject Area	Economics, Finance, and Financial economics
More specific subject area	Exchange rates, Exchange market pressure, Currency regime

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Type of data	Panel data in long form
How data was acquired	Constructed using methodology outlined in Patnaik et al. [1].
Data format	Analyzed data, empirically derived from other indicators
Experimental factors	–
Experimental features	–
Data source location	<a href="http://macrofinance.nipfp.org.in/releases/exchange_market_pressure.html">http://macrofinance.nipfp.org.in/releases/exchange_market_pressure.html</a>
Data accessibility	Data available with this article and publicly available online on <a href="http://macrofinance.nipfp.org.in/releases/exchange_market_pressure.html">http://macrofinance.nipfp.org.in/releases/exchange_market_pressure.html</a>

### Value of the data

- The dataset provides consistent estimates of Exchange Market Pressure which can be used to do comparisons across time, as well as across countries.
- Accurate estimates of EMP that can be compared across countries allow researchers to empirically assess the impact of events which affect a set of countries. This could benefit researchers in empirically assessing and comparing the impact of policies followed by different countries.
- EMP provides a sophisticated empirical tool to assess the impact of global or regional events on a set of countries.
- The conversion factor rho enables a clearer understanding of the impact of central bank interventions.

## 1. Data

The dataset described in this article is a long form panel dataset for monthly EMP and  $\rho$  (conversion factor) values for 139 countries, along with their associated 68% confidence interval values. EMP values are expressed in terms of percentage change in exchange rate while rho values can be interpreted as change in exchange rate associated with \$1 billion of intervention by the central bank.

Table 1 provides a glimpse of the EMP dataset. The data shown in Table 1 pertains to United Arab Emirates (UAE) – identified by its two letter code (AE). The two letter code can be mapped to the country name using the file “country\_code\_map.csv” attached with this article. The column “curr. emp” lists the monthly EMP values and column “rho” provides the value for  $\rho$  (conversion factor) for

**Table 1**  
EMP dataset.

Date	Country	Curr.emp	emp lo	emp hi	rho	rho lo	rho hi
2001-01-01	ae.curr	–0.11	–0.14	–0.09	4.82	2.20	10.56
2001-02-01	ae.curr	–0.72	–0.87	–0.56	4.82	2.20	10.56
2001-03-01	ae.curr	–0.97	–1.18	–0.77	4.82	2.20	10.56
2001-04-01	ae.curr	–0.32	–0.39	–0.25	4.82	2.20	10.56
2001-05-01	ae.curr	–0.39	–0.47	–0.31	4.82	2.20	10.56
2001-06-01	ae.curr	–0.11	–0.14	–0.09	4.82	2.20	10.56
2001-07-01	ae.curr	0.64	0.50	0.77	4.82	2.20	10.56
2001-08-01	ae.curr	–0.98	–1.19	–0.77	4.82	2.20	10.56
2001-09-01	ae.curr	–1.62	–1.97	–1.28	4.82	2.20	10.56
2001-10-01	ae.curr	–1.88	–2.28	–1.48	4.82	2.20	10.56

This table shows the first ten values of the EMP dataset which is a long form panel dataset for monthly EMP and  $\rho$  values for 139 countries along with their 68% confidence intervals.

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