

FX Watch

Interacting with time zones

Key takeaways

- We illustrate regional FX price action with new interactive time-zone charts.
- Time-zone analysis shows the USD rally had mostly occurred in America and Europe hours. Price action was mixed in Asia hours.
- More granular breakdown suggests 5pm-8pm UTC (1pm to 4pm EDT) has had persistent USD retracement in US afternoon.

Interactive time-zone visualization

In this note, we introduce an interactive visualization tool for investors to study FX returns by time zone. Readers have the ability to examine cumulative FX returns at different lookback periods, currency groupings, and time zones, after expanding the exhibits in the HTML view. Hours displayed in the exhibits are as of Coordinated Universal Time (UTC). We define America time zone as between 1pm to 12am UTC (9am to 8pm EDT), Europe time zone as between 8am to 1pm UTC (4am to 9am EDT), and Asia time zone as between 12am to 8am UTC (8pm to 4am EDT).

USD rally occurred mostly in **US** and European hours

Looking across the 3m to 1y lookback, we find the momentous USD rally in 2022 has occurred for the most part in US and European trading hours (Exhibit 1). In US hours, the Scandies saw the most losses vs the USD, followed by the JPY. During European trading hours, the EUR tend to see more loss vs other G10 peers. Moreover, USDNOK had been falling during European hours until mid-April, but has since then turned more bid. This is likely as a result of the Norges bank changing policy stance since April to conduct daily NOK selling. Interestingly, we find the USD/G10 price action to vary for different pairs during Asia hours. Using 3-month to 6-month lookbacks, investors have been selling the USD vs CAD. CHF and SEK.

Persistent USD supply from 5pm to 8pm UTC

The heatmap further breaks down a 24-hour day into 3-hour intervals (Exhibit 2). Using the heatmap, we can identify periods of USD supply in US afternoon amid a broader backdrop of the USD uptrend. Looking across different lookback periods from 1-month to 1-year, we find the USD has been persistently sold during the 5pm to 8pm UTC (1pm to 4pm EDT) interval. 5am to 11am UTC (1am to 7am EDT) had also been a period of bearish USD flow, according to cumulative flow over the past 3m to 1y. However, over the past month, the USD has been more bid from 5am to 11am UTC.

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G10 FX Strategy Global

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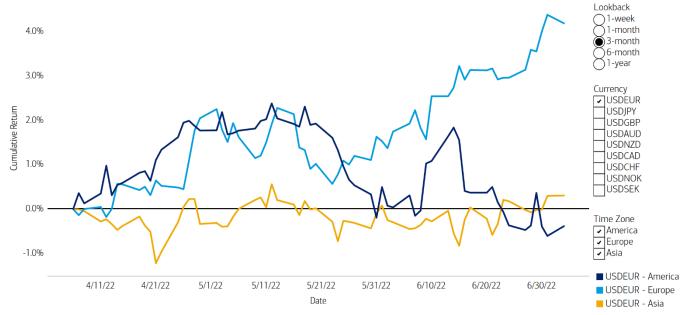
Refer to important disclosures on page 3 to 4.

Timestamp: 06 July 2022 01:00AM EDT

Exhibit 1: USDEUR rallied in US and European hours in April and more recently continued higher in European hours in June

UK hours saw the largest cumulative USDEUR gains since April.

For readers of the web-formatted version of this report, access interactive features of the visualization by clicking on the image. Use the Google Chrome or Microsoft Edge browser for the best experience



We denote America time zone as between 1pm to 12am UTC, Europe time zone as between 8am to 1pm UTC, and Asia time zone as between 12am to 8am UTC.

Source: BofA Global Research

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Exhibit 2: USD has gained the most during UK afternoon (11am-5pm), then retraced in US afternoon (5pm-8pm UTC)

Cumulative price change by currency in granular 3-hour increments.

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	8am-11am	Ham-2pm	2pm-5pm	5pm-8pm	8pm-11pm	Hpm-2am	2am-5am	5am-8am	Lookback
USDEUR	-1.2%	5.2%	1.6%	-1.6%	-0.3%	2.2%	0.6%	-1.0%	
USDJPY	-0.2%	1.2%	3.2%	0.0%	2.1%	7.1%	2.2%	-1.3%	1-month
USDGBP	-1.0%	4.9%	1.6%	-2.1%	-0.1%	3.1%	0.6%	2.3%	3-month
USDAUD	0.2%	3.7%	4.8%	-2.1%	-1.1%	2.0%	-0.8%	-0.1%	()6-month
USDNZD	-0.6%	4.0%	4.9%	-2.4%	0.4%	5.9%	0.8%	-0.2%	1-year
USDCAD	0.3%	2.2%	0.8%	-1.1%	-0.2%	0.0%	-0.6%	0.2%	Ü
USDCHF	0.8%	0.1%	5.1%	-0.6%	0.2%	0.7%	1.0%	-4.1%	
USDNOK	-4.1%	9.8%	4.1%	-1.3%	0.3%	10.1%	-2.4%	2.3%	
USDSEK	-0.1%	7.1%	5.2%	-0.7%	0.0%	6.1%	-0.7%	-3.5%	

Hours are as of UTC. Currency pairs with greater loss over the lookback period are colored in darker green. We denote America time zone as between 1pm to 12am UTC, Europe time zone as between 8am to 1pm UTC, and Asia time zone as between 12am to 8am UTC.

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