



Inflation Linked Bond Curve Introduction



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Inflation Curve

Inflation indexed bonds, also called inflation linked bonds or real return bonds, are bonds where the principal is indexed to inflation or deflation on a daily basis in terms of a reference index, such as Consumer Price Index (CPI). The primary purpose of these bonds is the transfer of inflation risk.

An inflation indexed bond is designed to hedge the inflation risk of the bond. Inflation bonds are an important vehicle for investors whose liabilities are indexed to changes in inflation or wages.



Inflation Curve

They have favorable performance and lower volatility relative to other risk assets. It is favorable to retirement planning and pension funds given its inflation protection. Inflation indexed bonds are less liquid than regular bonds.

Inflation linked bonds are mainly issued by government. There is also a small portion of inflation-linked bonds are issued by commercial financial institutions, that are usually treated as government-issued inflation-linked bonds.



Inflation Curve

- Breakeven inflation rates can be found by comparing the zero-yields on inflation-linked and nominal bonds with the same maturity. However, the breakeven yields found this may be affected by the liquidity premium embedded in the bond.

Inflation linked bond curve is the term structures of the most liquid inflation bond prices at different maturities. An inflation bond curve same data is shown below:



Inflation Curve

Currency	Instrument	ValuationDate	Tenor	Price	Yield
GBP	IR.Bond.GBP.GB00B85SFQ54	2020-11-27	5Y	110.5865	-0.029
GBP	IR.Bond.GBP.GB00B3Y1JG82	2020-11-27	10Y	128.673	-0.02901
GBP	IR.Bond.GBP.GB00B46CGH68	2020-11-27	15Y	155.7985	-0.02705
GBP	IR.Bond.GBP.GB00B3LZBF68	2020-11-27	20Y	176.4815	-0.02449
GBP	IR.Bond.GBP.GB00BZ13DV40	2020-11-27	30Y	192.1495	-0.02253
GBP	IR.Bond.GBP.GB00BDX8CX86	2020-11-27	50Y	295.1915	-0.02199



Thank You

You can find more details at

<https://finpricing.com/lib/IrInflationCurve.html>

<https://finpricing.com/lib/FiInflationBondCurveData.html>