Understanding Fixed Income Concepts



Basic structure of a bond









Bonds are rated on the basis of their risk of default

Default: the risk that the lender may not get his money back

The ratings do not convey other risks: change in liquidity, or interest rates

Bond ratings are carried out by agencies



What goes into a bond rating?





What are bond ratings?





What are bond ratings?





Understanding yield to maturity





The term structure – normal yield curve





The term structure – steep yield curve









The term structure – inverted yield curve





The concept of yield spread





Risks associated with fixed income investment



Default Risk

Issuer could fail to meet debt obligations in a timely manner.

Credit Spread Risk

Risk premium required for particular corporate bond (or bond class, sector, industry, or economy) increases, leading to price reduction in existing bonds

Downgrade Risk

Rating agency could lower rating on a bond after conducting analysis, increasing the credit spread, causing yields to go up and prices to go down



Prices and yields have inverse relationships

Yields are influenced by interest rates



When rates change, yields move to track the new rate Prices move in the opposite direction to reflect the new yield

If yield = coupon rate, the bond will sell at par



Duration

Duration measures interest rate sensitivity

In other words, how much does the price of a bond change with a change in interest rates?





Math Check: Approximate price change using duration





Math Check: Approximate price change using duration





Practical application: Portfolio duration



Portfolio managers often change the duration of their securities to manage changing interest rates



Reinvestment Risk





Liquidity Risk

The greater the bid – ask spread, the less certain the fair value of the price

Liquidity risk is not important for hold-to-maturity investors

It is an issue for those seeking to profit from bond price movements

Liquidity risk is a function of the following factors

Expectation of interest rate changes Number of market makers Comfort level with security



Securitisation – What is it all about ?





Key Macro-economic indicators for fixed income



Liquidity indicators



Liquidity Indicators





Key rates



Other key macro indicators

- Fiscal deficit
- Government borrowings
- Credit growth
- Deposit growth
- GDP
- Rupee



QUESTIONS ??



Thank You.

