RiskyBondPricer 설명서

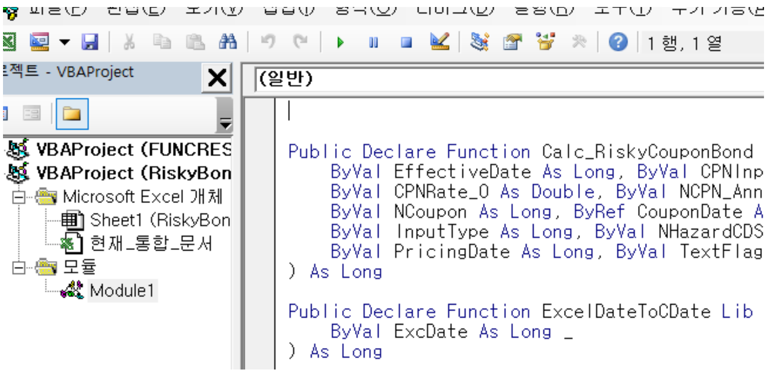
이 모델은 신용위험이 존재하는 채권의 공정가격을 산출하는 모델입니다.

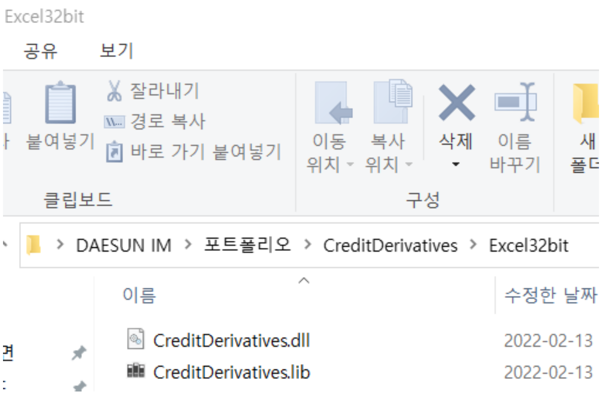
1. 자신의 엑셀 bit수 확인

   파일>계정>엑셀정보

2. Alt + F11로 VBA창 키기

3. 모듈 들어가서 dll의 디렉토리 바꾸기 (현재 dll이 설치되어있는 디렉토리로 바꾸기)





```
Public Declare Function Calc_RiskyCouponBond Lib "C:₩Users₩ciiad₩포트폴리오₩CreditDerivatives₩Excel32bit₩CreditDerivatives.dll" ( _
    ByVal EffectiveDate As Long, ByVal CPNInputFlag As Long, ByVal Recovery As Double, ByVal CalcQMethod As Long, _
    ByVal CPNRate_0 As Double, ByVal NCPN_Ann_0 As Long, ByVal NotionalAmount_0 As Double, ByVal T_Mat_0 As Double, _
    ByVal NCoupon As Long, ByRef CouponDate As Long, ByRef CouponPayDate As Long, ByRef CouponRate As Double, ByVal PrincipalDate As L
    ByVal InputType As Long, ByVal NHazardCDS As Long, ByRef HazardCDSTerm As Double, ByRef HazardCDSRate As Double, ByVal NRiskFree A
    ByVal PricingDate As Long, ByVal TextFlag As Long, ByVal GreekFlag As Long, ByRef ResultPrice As Double, ByRef KeyRate_PV01_Conve
) As Long

Public Declare Function ExcelDateToCDate Lib "C:₩Users₩ciiad₩포트폴리오₩CreditDerivatives₩Excel32bit₩CreditDerivatives.dll" ( _
    ByVal ExcDate As Long _
) As Long
```

4. 발행정보 및 파라미터 입력하기

발행일	2018-10-15
쿠폰입력Flag	1
RecoveryRate	0.4000
생존율계산방식	0

쿠폰입력Flag가 0일 경우	
Coupon Rate	3.80%
연 이자지급횟수	2
액면금액	10000
만기(년)	5.5

쿠폰입력Flag 1일 경우					HazardRate(or CDS Spread)		무위험금리	
쿠폰스케줄			원금 스케줄		입력데이터유형	0	무위험 개수	8
쿠폰개수	12				입력 개수	8		
쿠폰일	CouponRate	쿠폰지급일	원금지급일	원금	Term	Rate/y (or Spread)	Term	무위험금리
2019-04-15	3.80%	2019-04-18	2024-10-15	10000	0.25	1.00%	0.25	1.25%
2019-10-15	3.80%	2019-10-18			0.50	1.20%	0.50	1.50%
2020-04-15	3.80%	2020-04-18			1.00	2.00%	1.00	1.75%
2020-10-15	3.80%	2020-10-18			2.00	2.20%	2.00	1.87%
2021-04-15	3.80%	2021-04-18			3.00	2.30%	3.00	1.99%
2021-10-15	3.80%	2021-10-18			5.00	2.40%	5.00	2.11%
2022-04-15	3.80%	2022-04-18			7.00	2.50%	7.00	2.23%
2022-10-15	3.80%	2022-10-18			10.00	2.60%	10.00	2.35%

5. 가격계산 매크로 실행

가격계산

ResultCode	1

CleanPrice	10204.711
Accrued Interest	63.507
Dirty Price	10268.217