1. One-dimensional kernel density estimation with different ways of selecting bandwidth.
   1. Variables
      1. SP500
      2. Gold
      3. VIX
      4. Oil
      5. Shanghai Index
      6. Nikkei
   2. Bandwidth selection
      1. Rule of Thumb
         1. Gaussian + one or two more derivation
      2. Plug in method
         1. Try
   3. Different kernel functions
   4. Ppt 提一下bias, variance, asymptotic distribution
   5. Cross validation
      1. LOOCV
      2. GCV
   6. Boundary bias
      1. Boundary
      2. Log -transformation
      3. Reflection method
2. Two-dimensional kernel density estimation.
   1. 7 个variable 两两相配
      1. 5\*6/2 = 15r
3. One dimensional and multi-dimensional kernel regression.

A chart of stock market graphs

Description automatically generated with medium confidence