1. Filter the macrohistory database of 17 countries   
2. Select the macrohistory features and Rogoff and Reinhart various crisis types  
3. Use mutate to create new features of the below   
4. Create a function for CRSI (below)   
  
1. Credit Gap greater than 10%   
2. 40% rise in Total Bank Claims over 4 years  
3. Stock market bubble (CRSI 5 greater than (90)  
4. Real Estate bubble (CRSI 5 greater than 90)  
5. Real Exchange Rate Appreciation (CRSI 5 greater than 90)  
6. No crash the previous 3 years (no stock market, banking crisis, exchange rate crash)  
7. Current account deficit - (negative for 3 years in a row)  
8. Yield Curve Inversion (short term rates > long term rates)  
9. Rising short term rates (one period)  
10. Import/Export Ratio - (one period lag)  
  
CRSI definition is here  
<https://www.tradingview.com/stock-charts-support/index.php/Connors_RSI_(CRSI)>