2018/3/5 Monday

ETF: -0.14% disc

On ETF premiums: when ETF PD vol increases, markets are more volatile. Reduce position and intraday trading. Last tue-thur, disc was < -1%

Small caps were more stable last week.

Do research on relationship of retOPC and retCO.

Lost 50% on the retOPC.

CO is 62%.

CC is only 13%

AMCO: 33%

PMCO: 29%

How to avoid losing on OPC:

1. Long term holding costs too much OPC.
2. Low OPC cause 1: US loss
3. Low OPC cause 2: Traders selling at open to buy something else.
4. When you bring OPC into the picture, you should never have full position, because you cant take advantage of CO and fully lose the OPC.
5. Buy at open and sell at close to take advantage of pure CO
6. If you buy the dip, you will over accumulate on the bearish days and not enough on the bullish days
7. Testing: holding 1/3, add 1/3, sell 1/3 at close.
8. Stock overnight max position: 1/3
9. Stock Intraday max position : 2/3
10. Fut overnight max position: less than 1/3.
11. Fut intraday max position: 2/3
12. Stock: take advantage of long run CO being positive

Market:

9:50

Vols:

Mar: -1v (23 -> 22v)

Apr: -1v (21 -> 20v)

Jun: unch (21v)

Sept: unch (20v)

There is a need to combine:

1. Chronic negative OPC
2. High vol and low vol regimes
3. big OPC changes both directions
4. PMCO negative autocorrelation
5. Percentile high closer – negative on next day
6. Daily candles overlap (jump lower or jump higher)

Implications/corollaries:

1. Big OPC/high vol -> reduce position
2. stay away from overnight risk.
3. No overnight risk on futures.
4. 1/3 risk on stocks
5. Trade intraday CL on stocks
6. PmcoY+ or percentileY high, trade with less position
7. Hedge: no clear results, keep researching (hedge should be connected with the vol level)
8. Intraday CL V.S close to close trading

Market:

10:09

Upside convexity is up.

Vol back to 23v.

1037

Front month convexity is up.

Back months vol down 1v.

HHI vol: 29v

H.S.I vol: 24v

Shanghai50: 23v

2823: 26v

2822: 26v

3188: 23v. (HS300 is less volatile than shanghai50)

1330:

Shanghai 50: 21v

Vol saving mechanism:

**After market:**

Futures:

1. no more than 1/3 overnight
2. be prepared to short in the AM to hedge ptf
3. no more than 1/3 shorting
4. position needs to be cut before further addition
5. inventory trading analogy: before inventory is sold, no new inventory is allowed
6. Safety before profits
7. Always have cash.
8. Want to withstand 50% fall in underlying index
9. The lesson from 2018 Feb was important. 10% adjustment wiped out 20% of portfolio. (Had 2x leverage position on, portfolio volatility was huge) (2-7 to 2-9 dropped 15% of whole ptf) Market can get insanely volatile
10. There will be crashes in the markets.

General portfolio:

1. 1/3 delta max overnight because OPC is always negative
2. Intraday delta increases need to be sold at the close to prevent delta increase
3. In the long term, position addition should earn more than long term position
4. The long term position is there to be sold when new position is added.

3.6

1. XU at 70 bps premium, liquidate in confusion period.
2. VIX 18.7 (bull market VIX level is 10v)
3. VHSI 26v