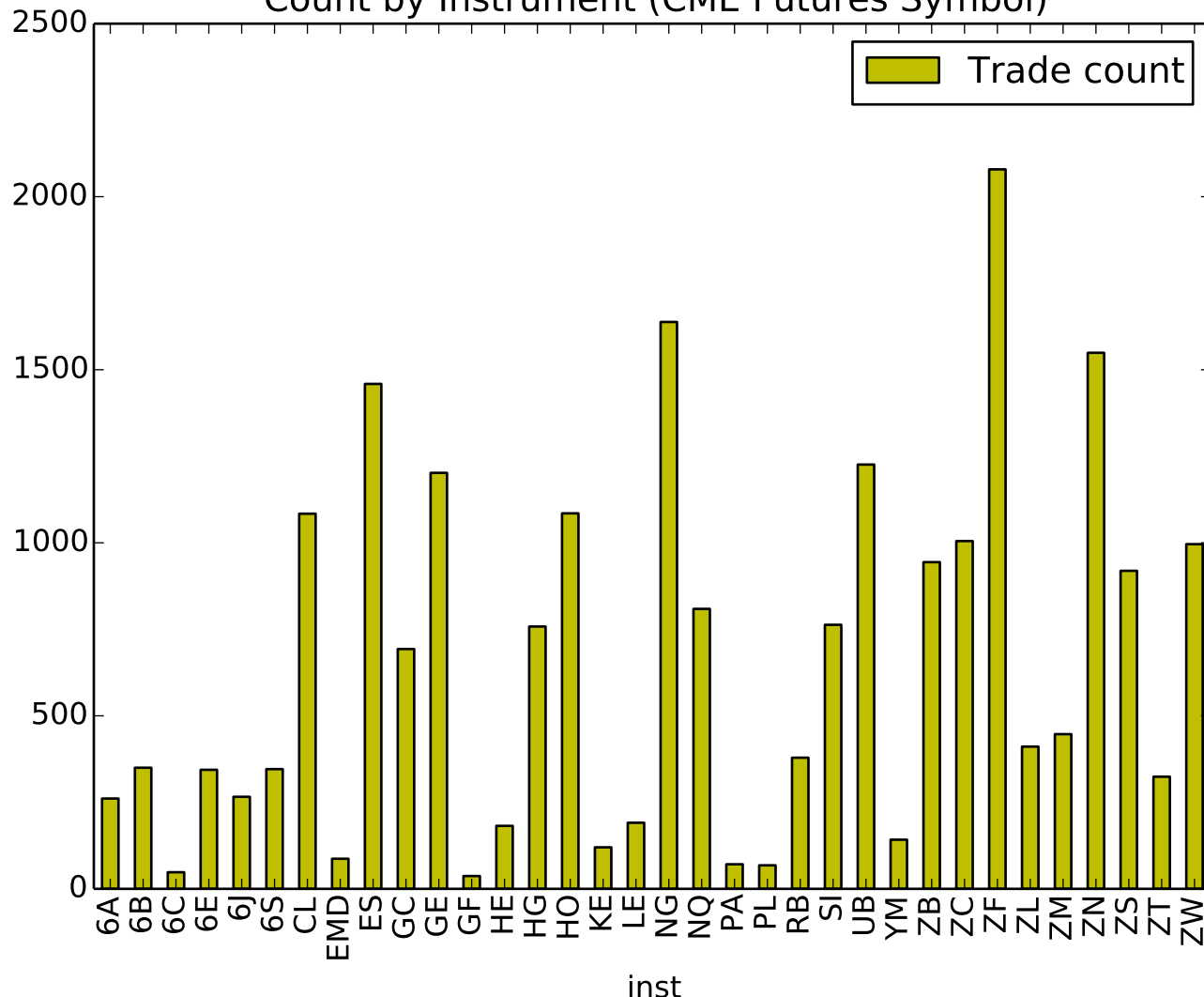
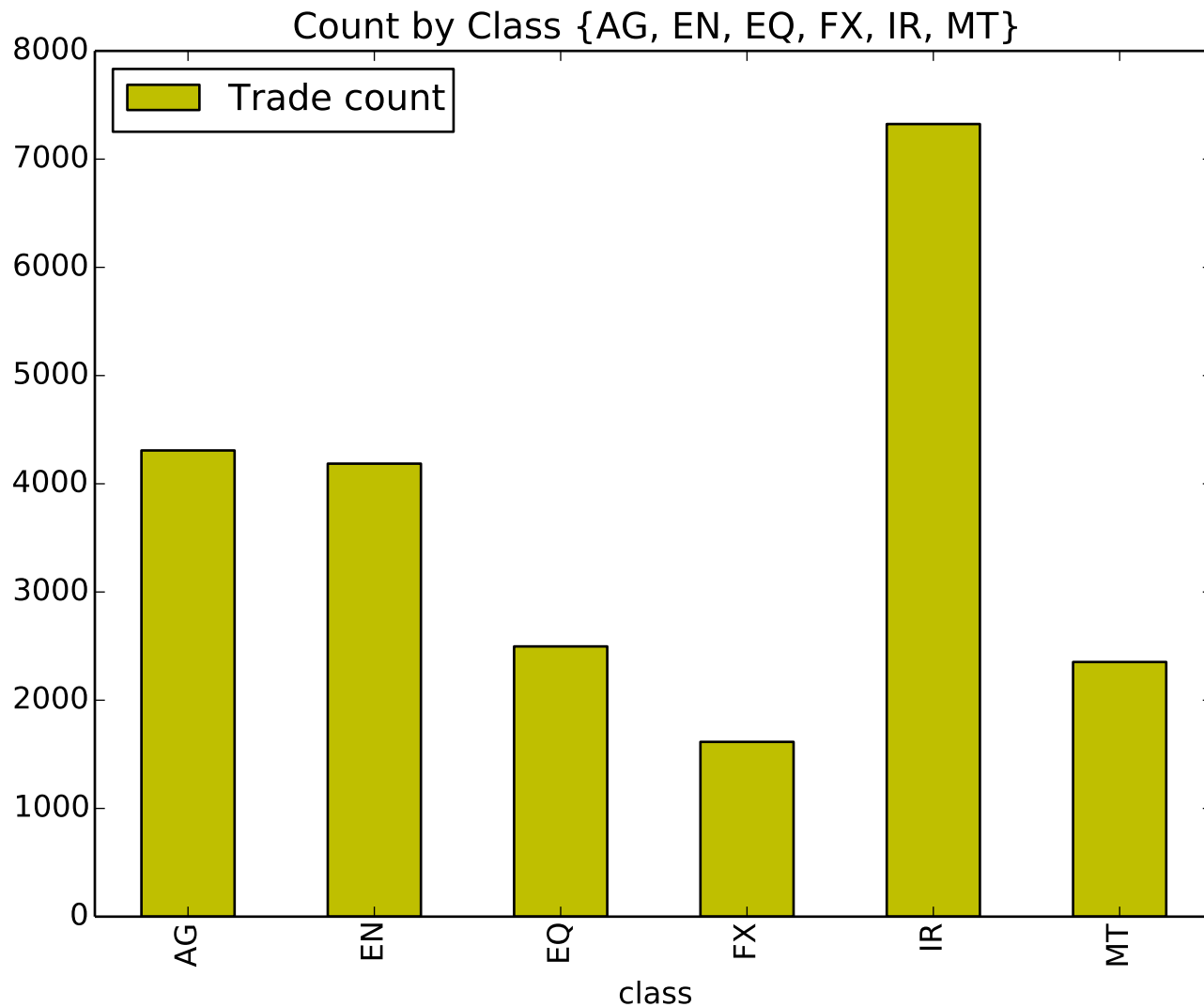
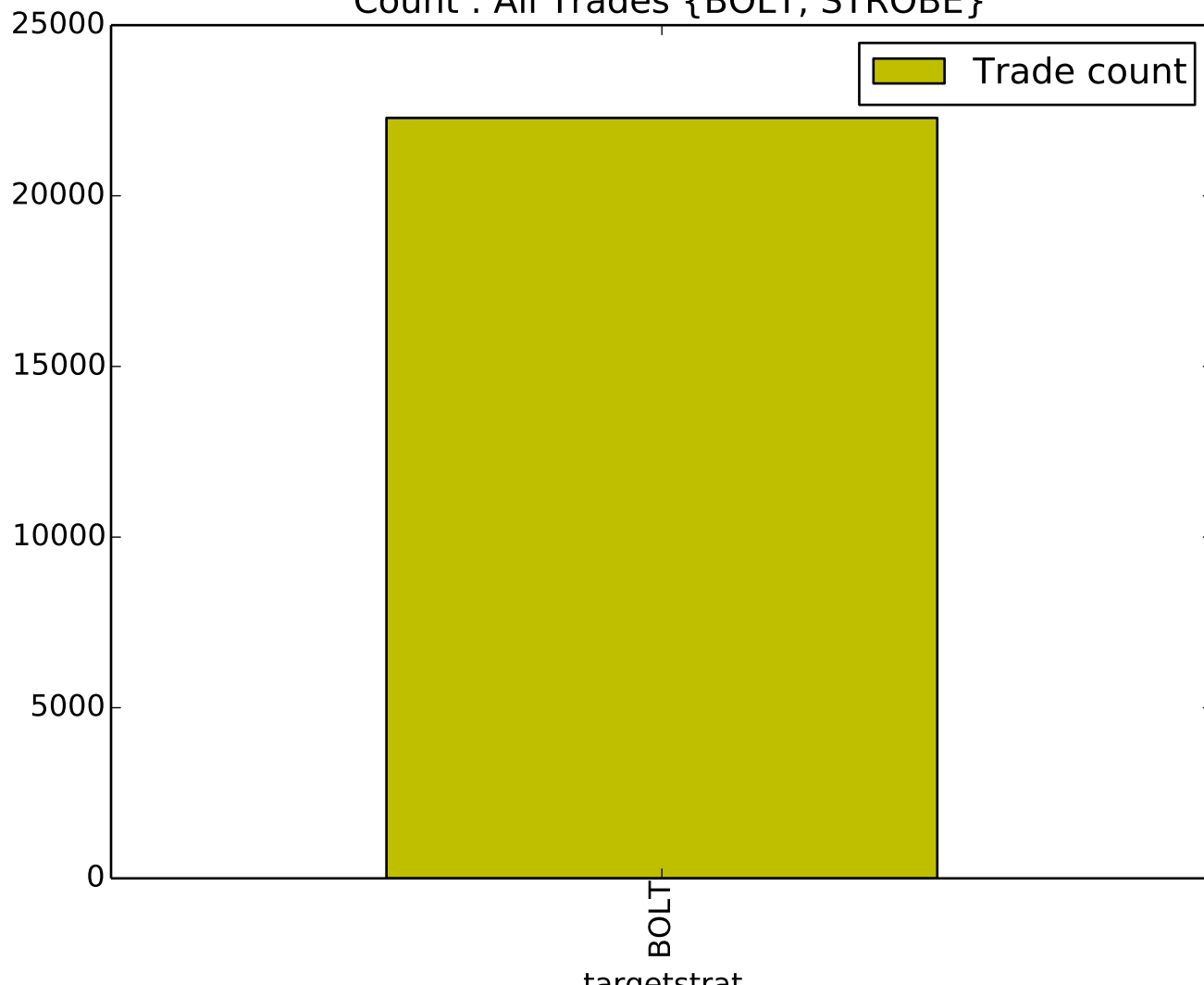


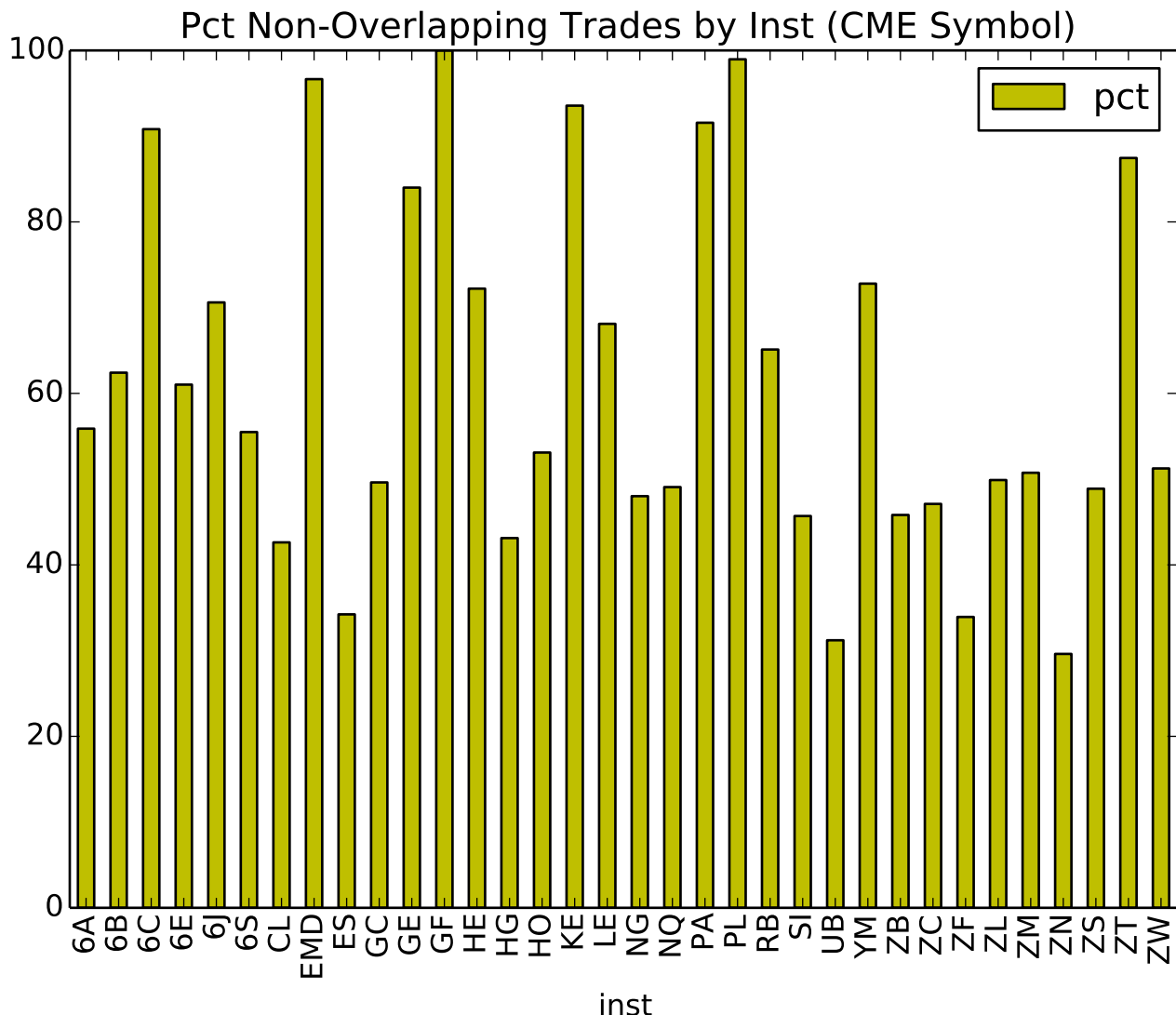
Count by Instrument (CME Futures Symbol)



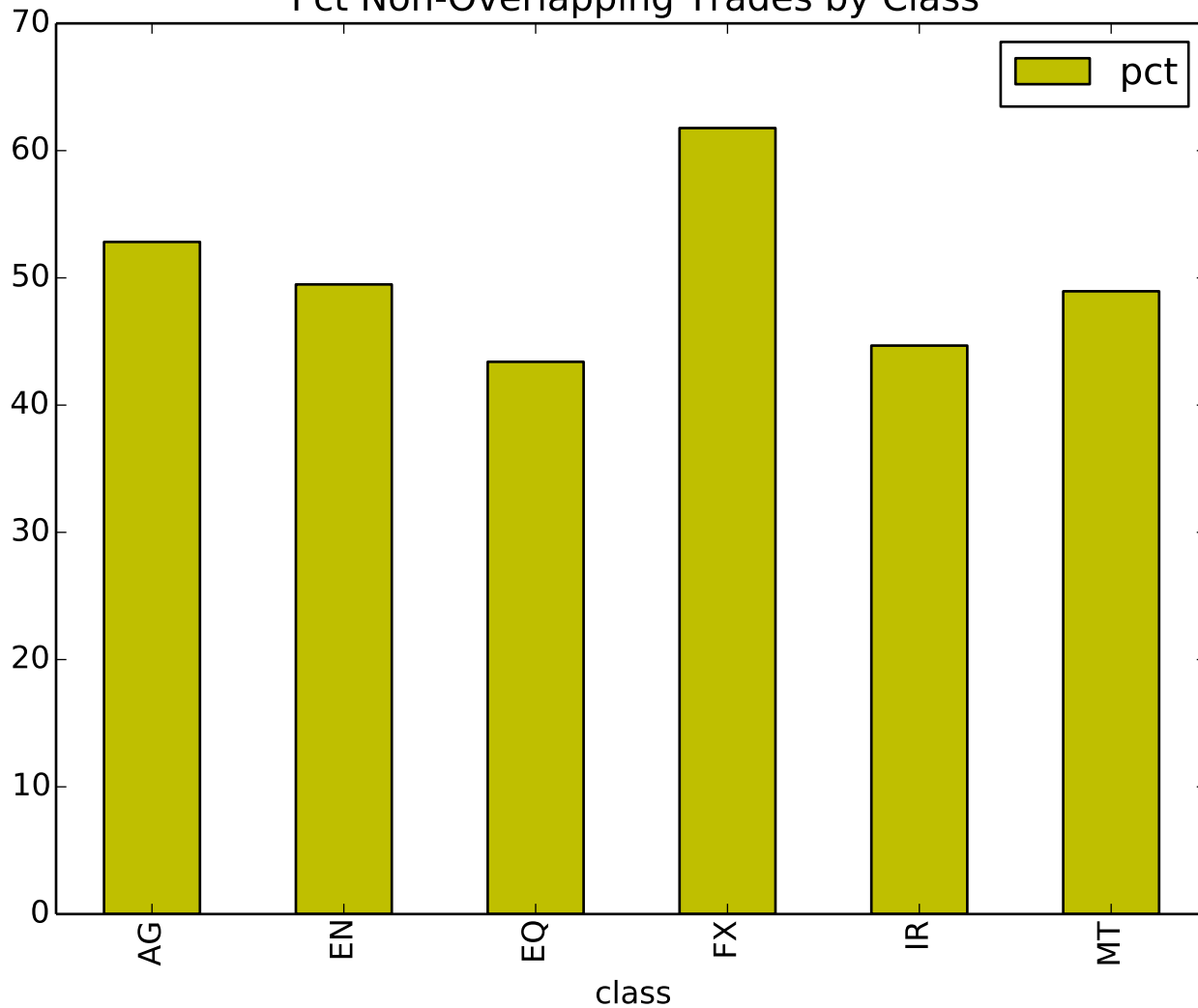


Count : All Trades {BOLT, STROBE}

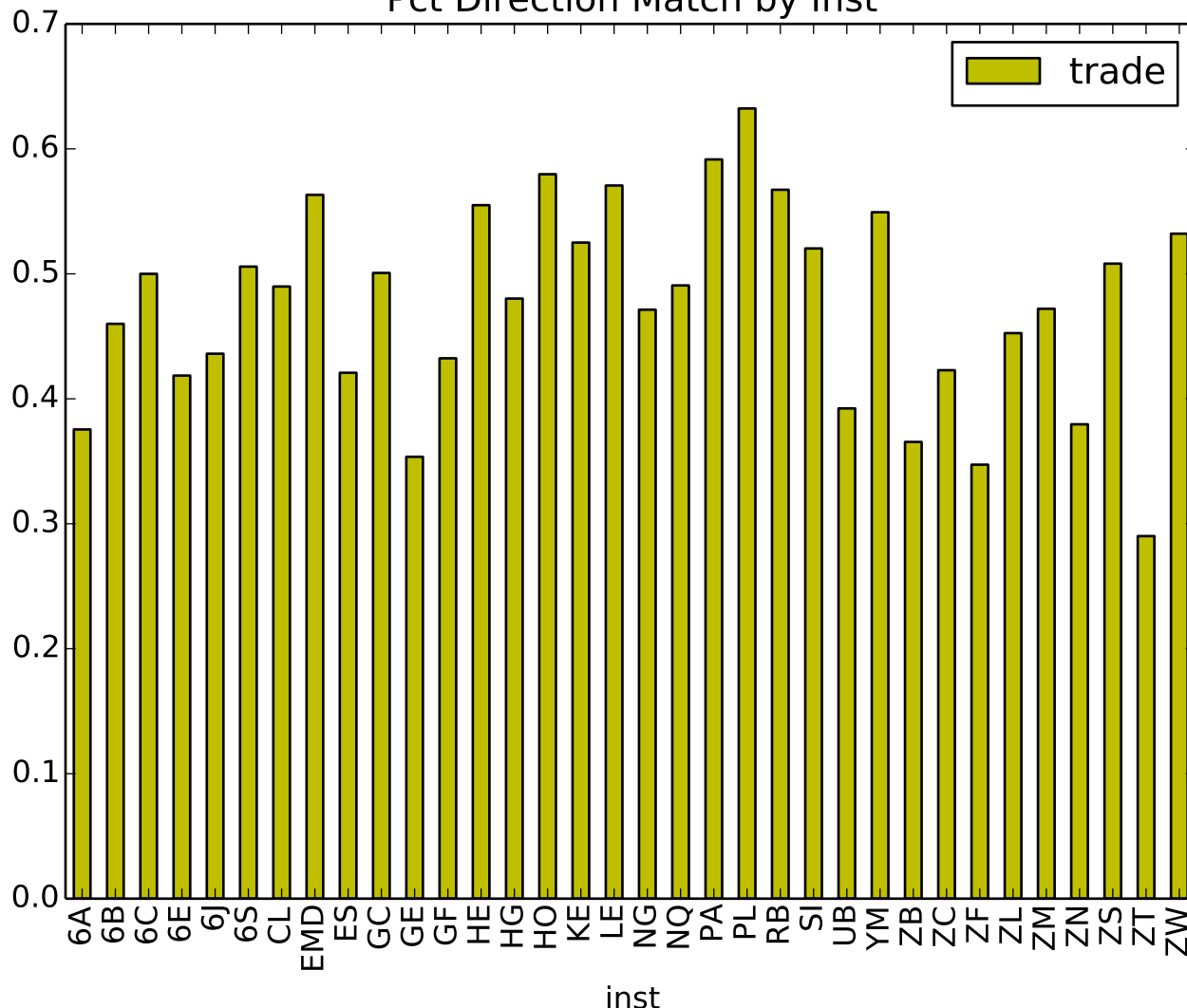




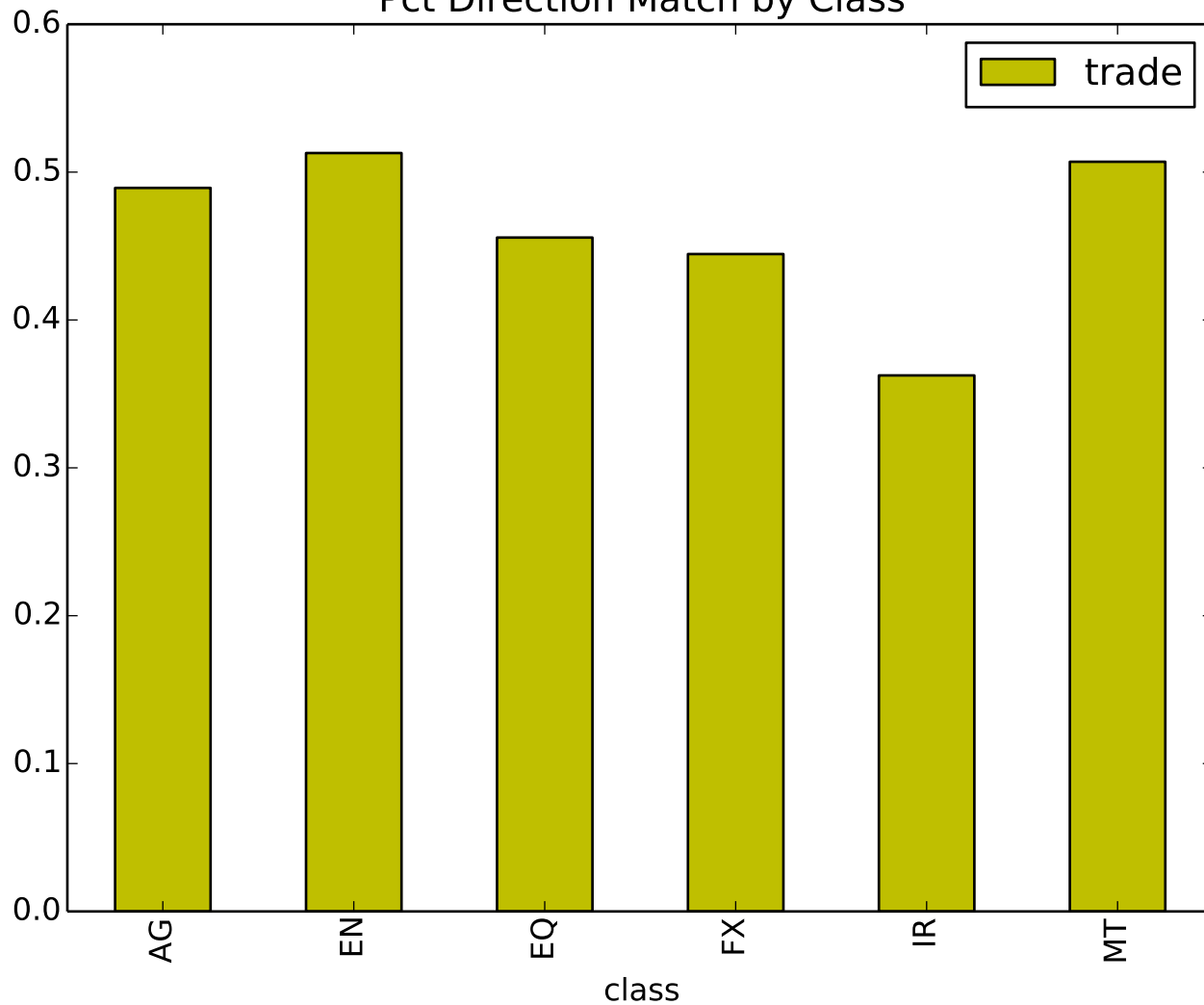
Pct Non-Overlapping Trades by Class



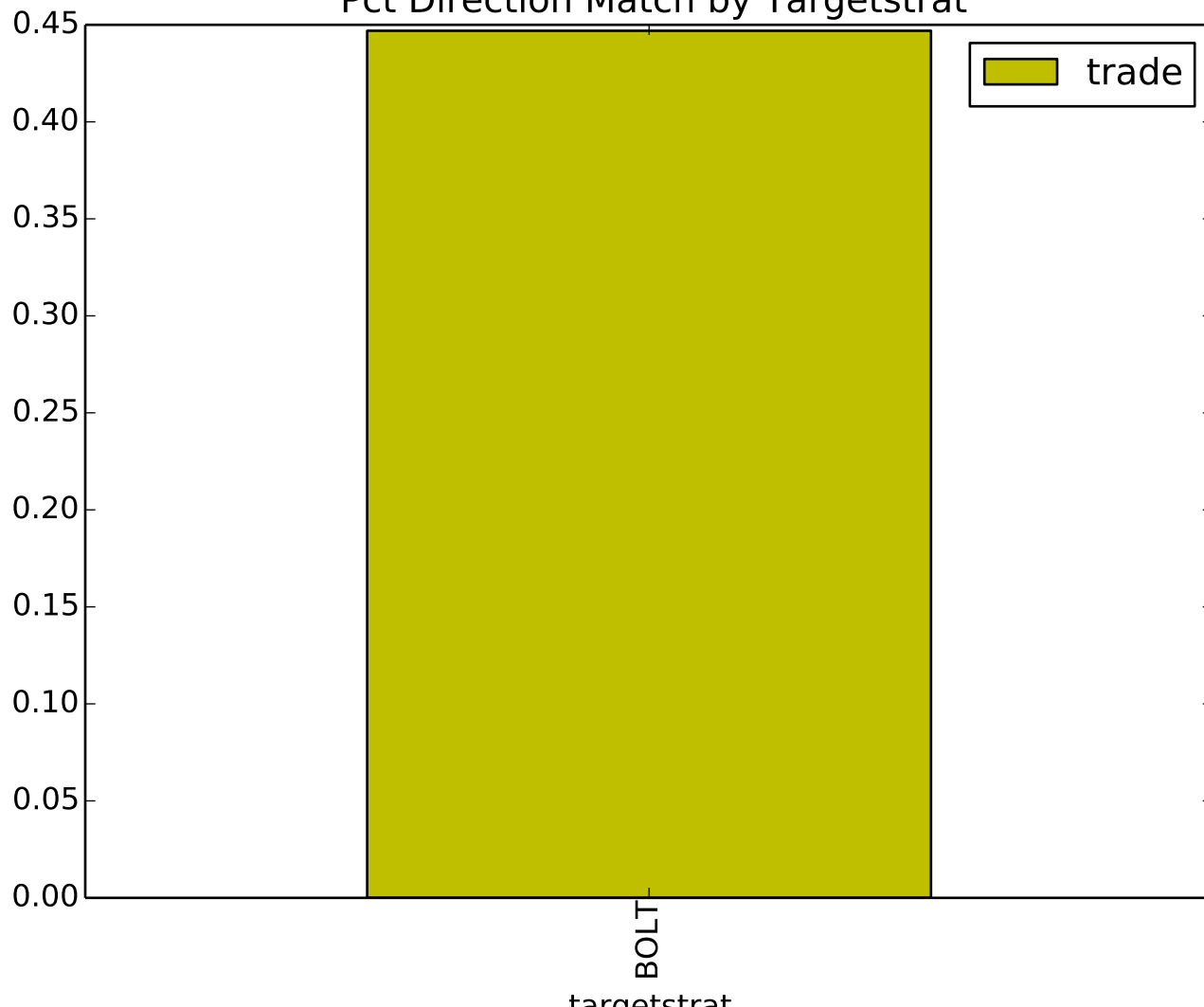
# Pct Direction Match by Inst



Pct Direction Match by Class

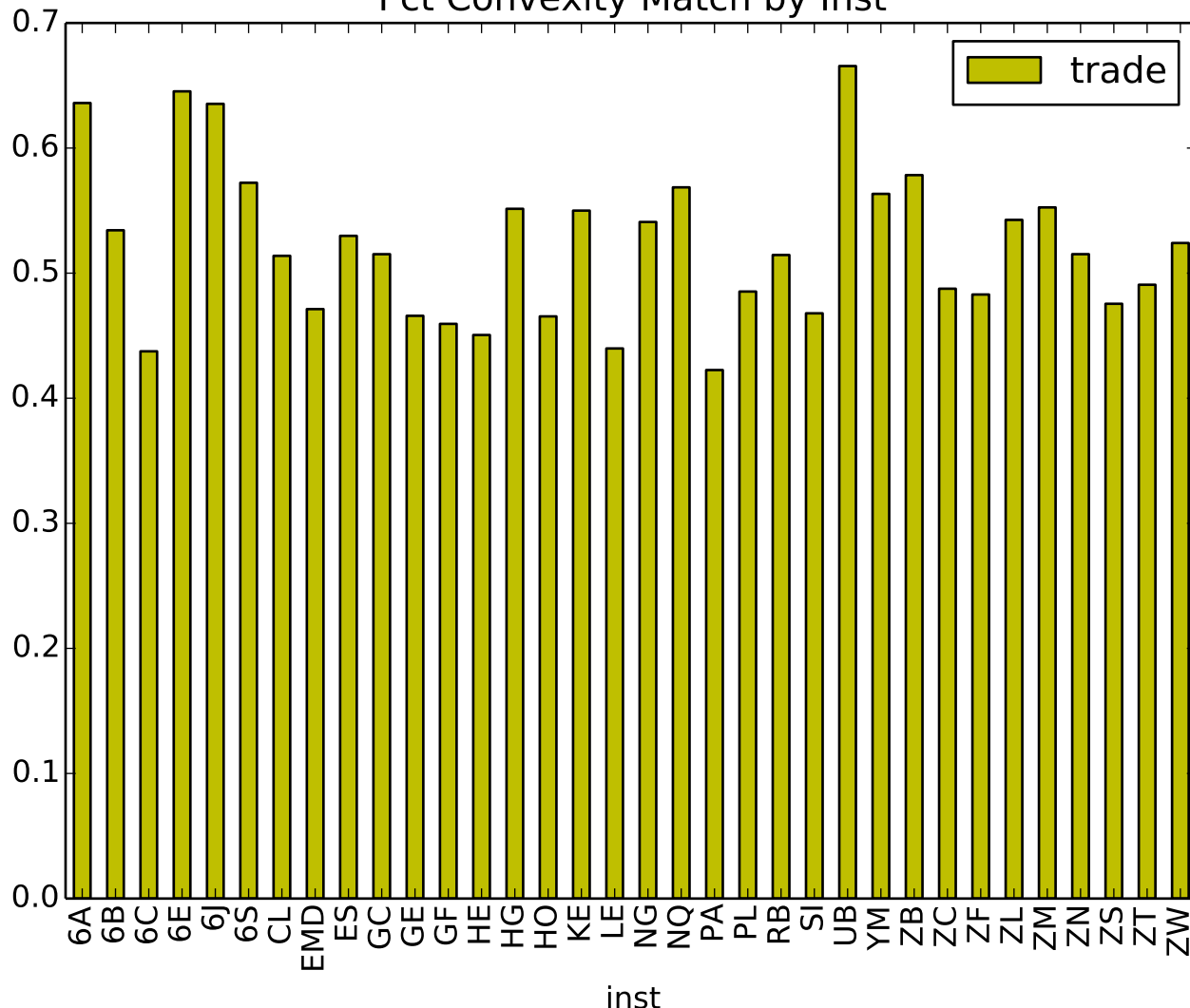


Pct Direction Match by Targetstrat

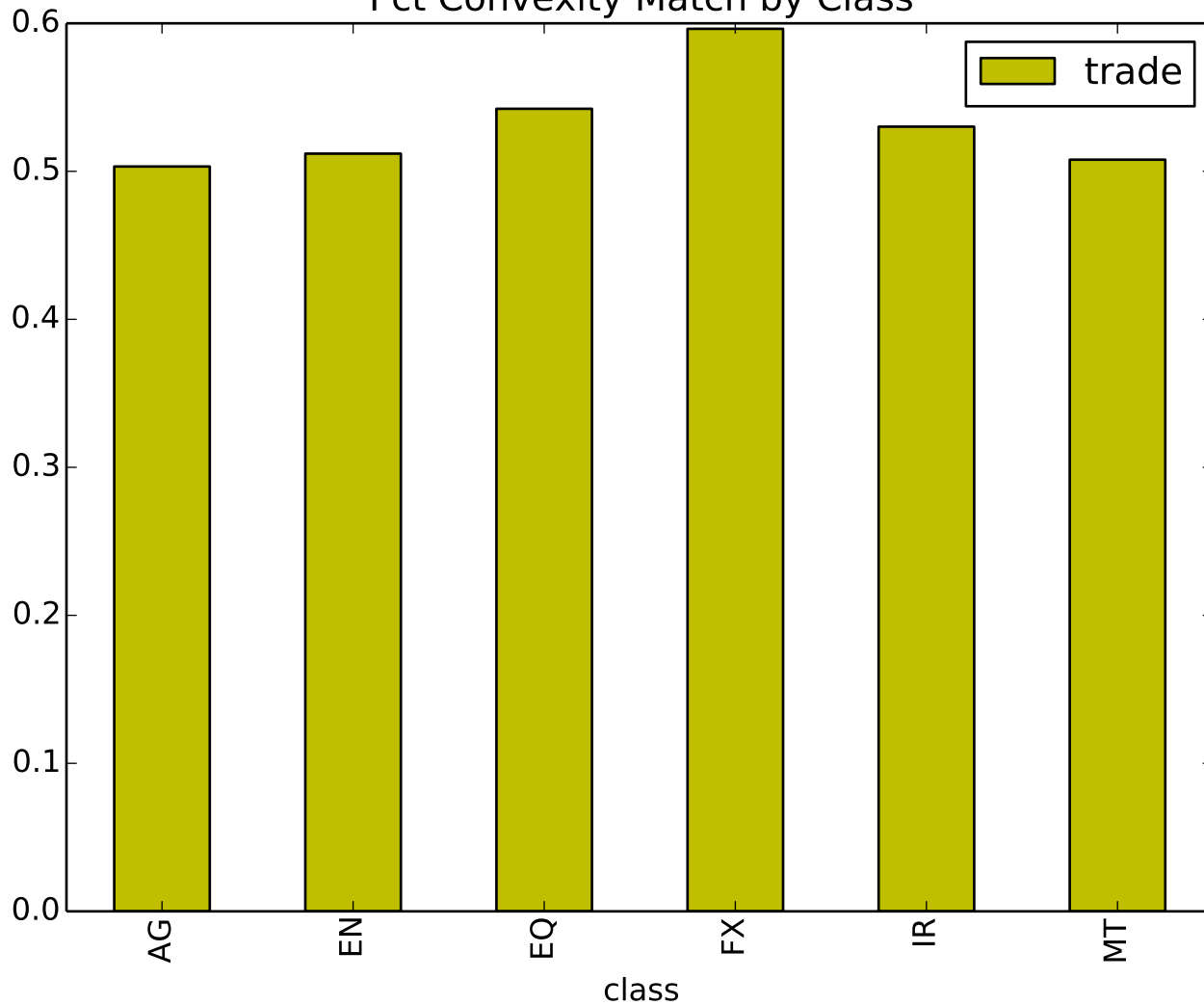




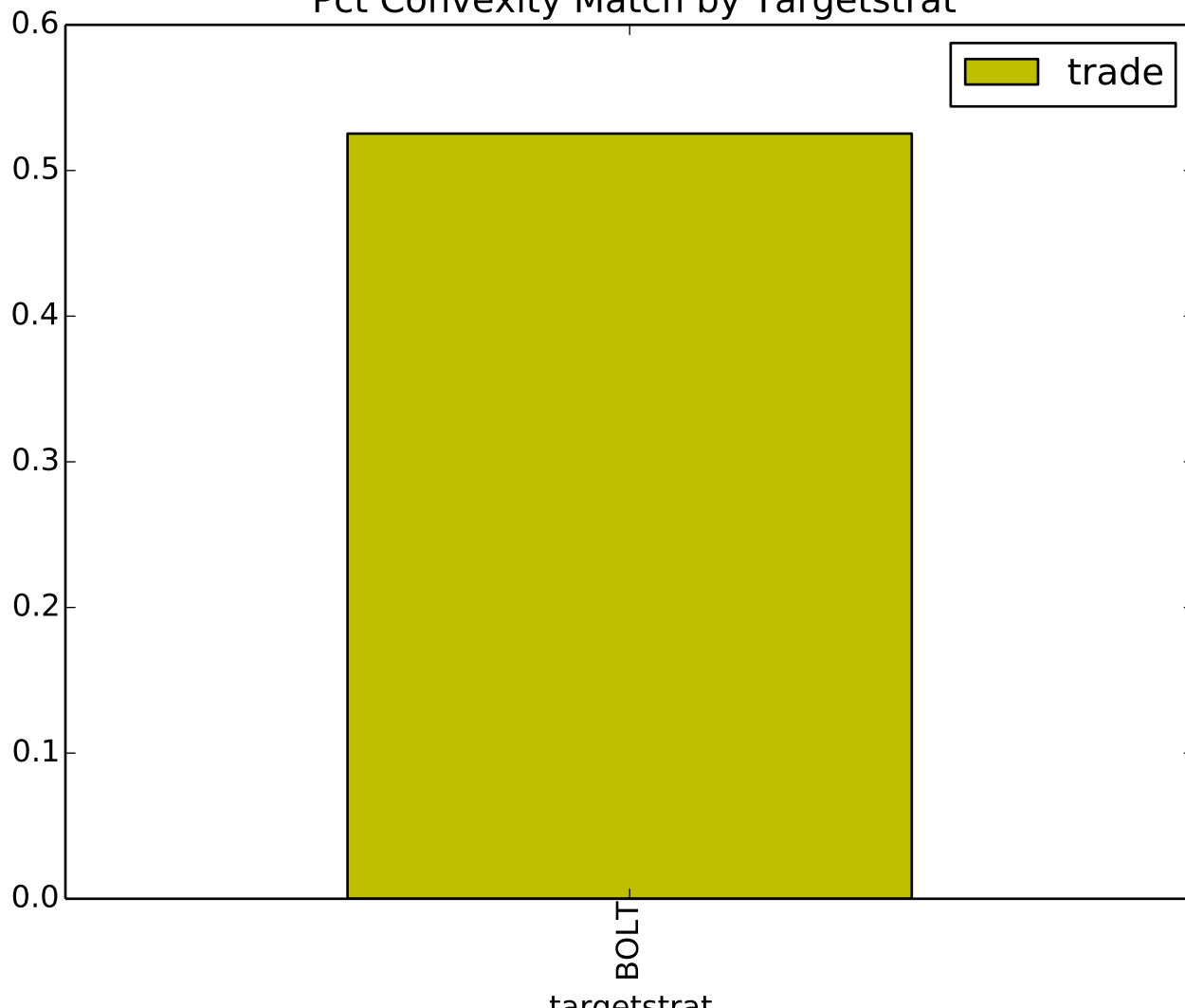
# Pct Convexity Match by Inst

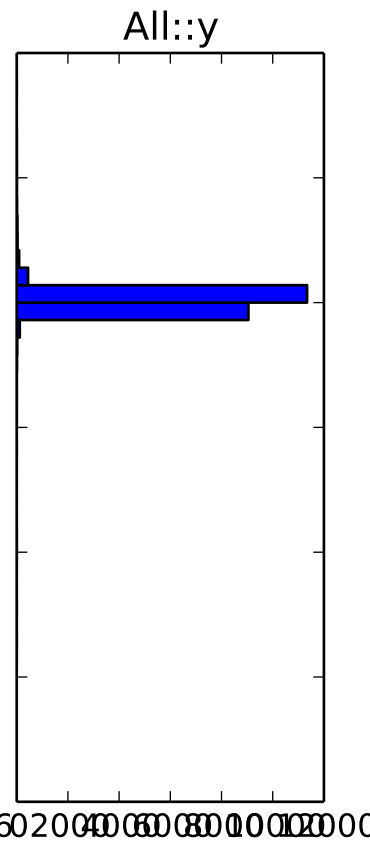
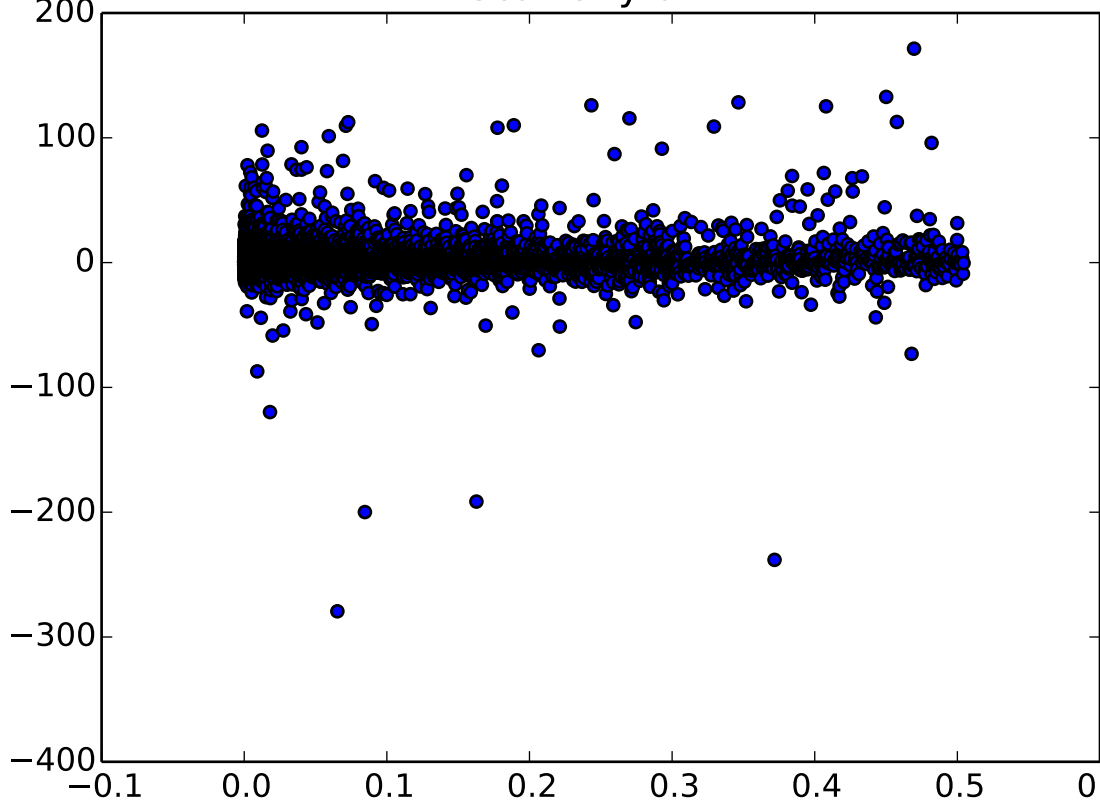
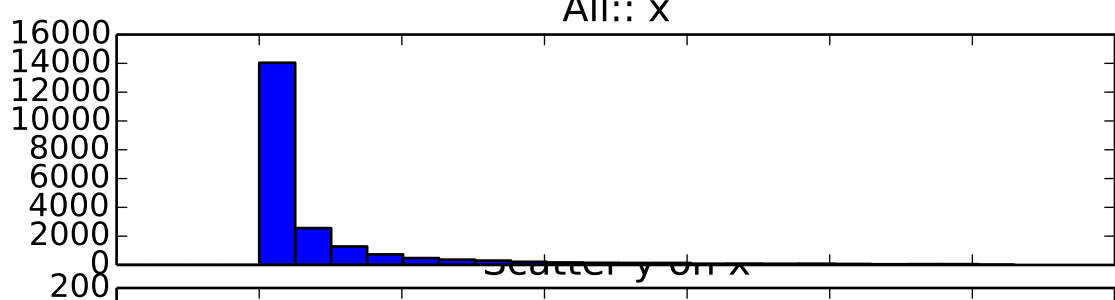


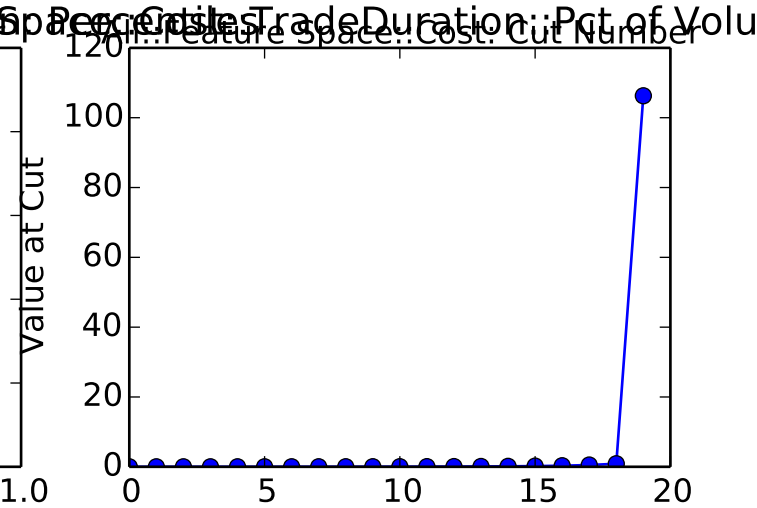
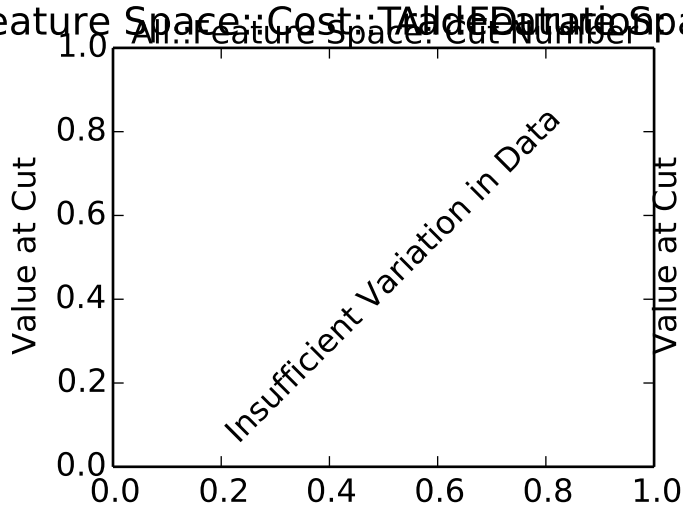
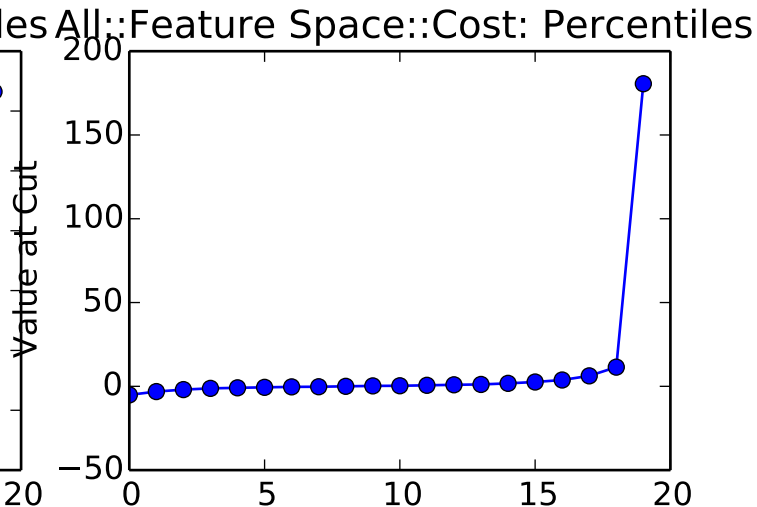
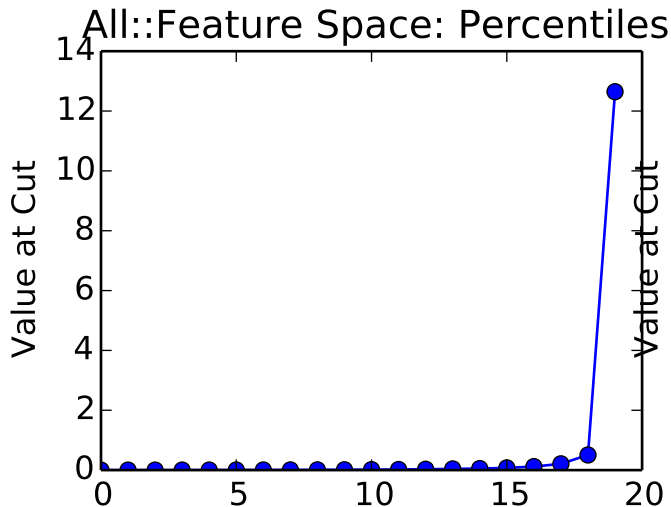
Pct Convexity Match by Class



Pct Convexity Match by Targetstrat

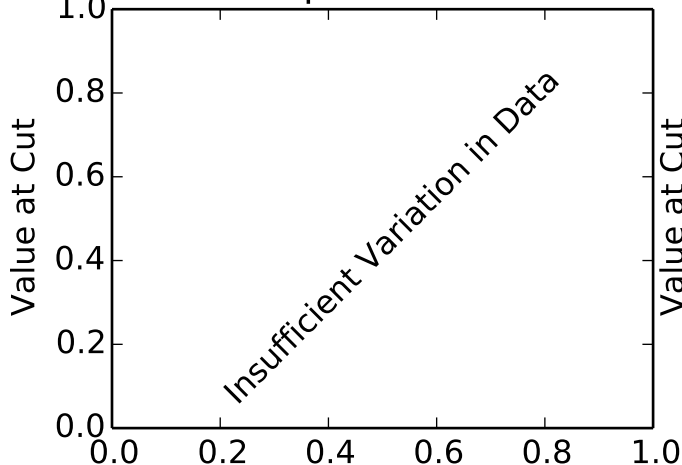






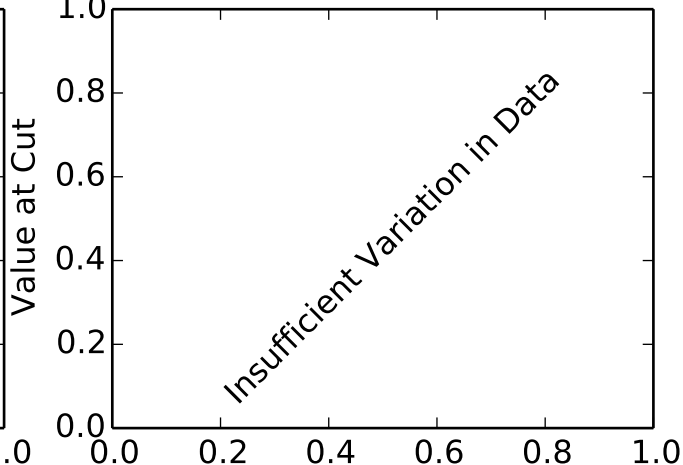
All::Feature Space::Cost::TradeDuration::Pct of Volume: Cut

Value at Cut



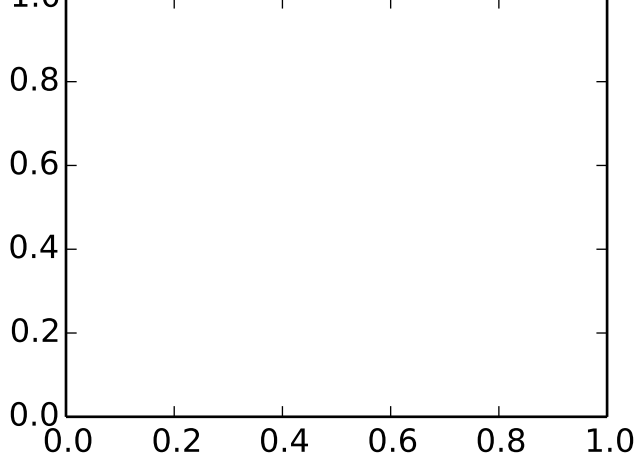
Insufficient Variation in Data

Value at Cut

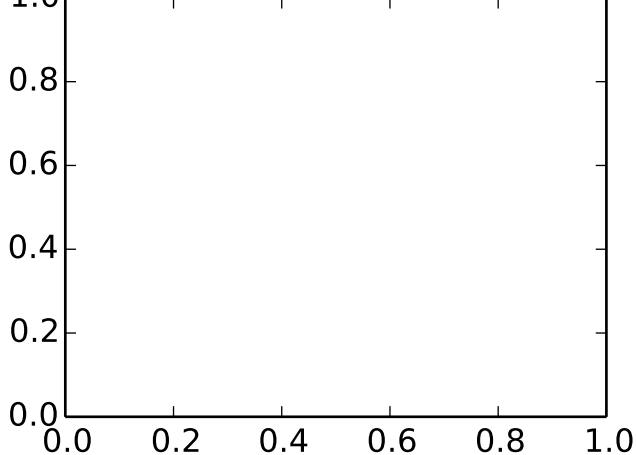


Insufficient Variation in Data

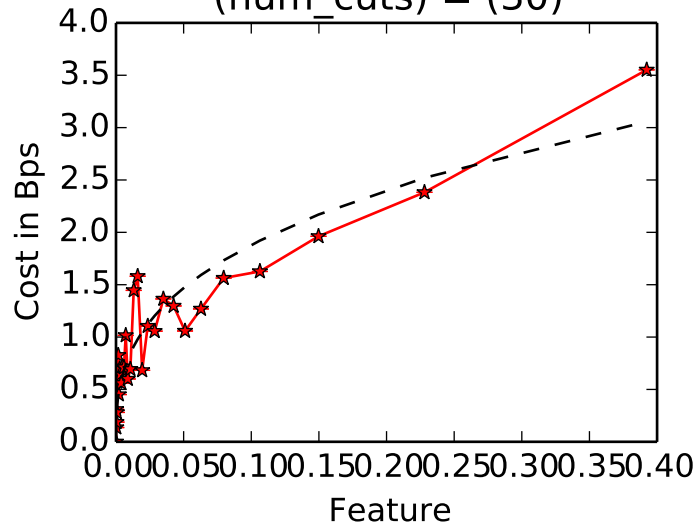
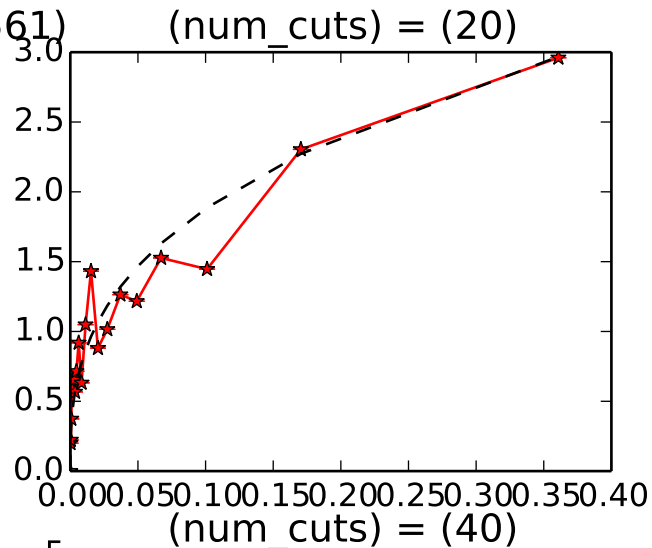
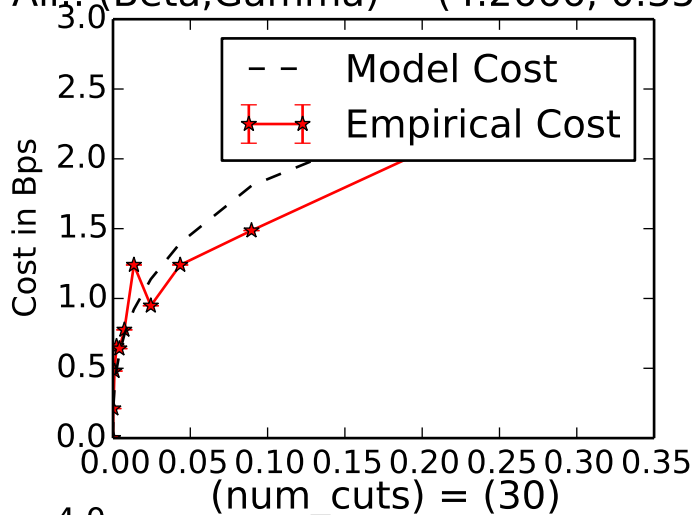
0.  
0.  
1.



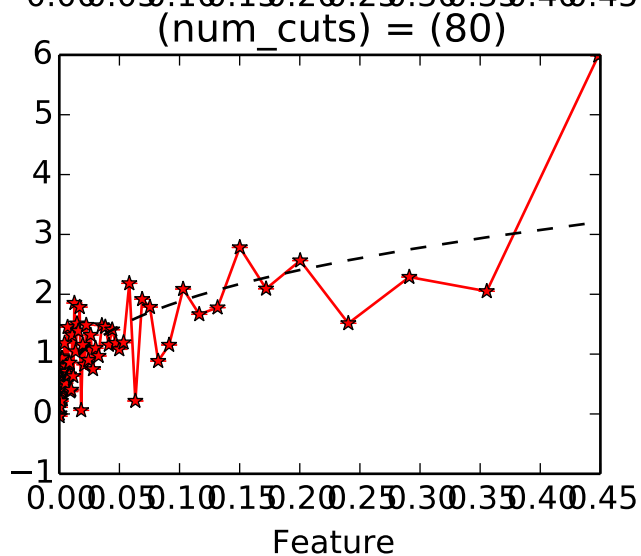
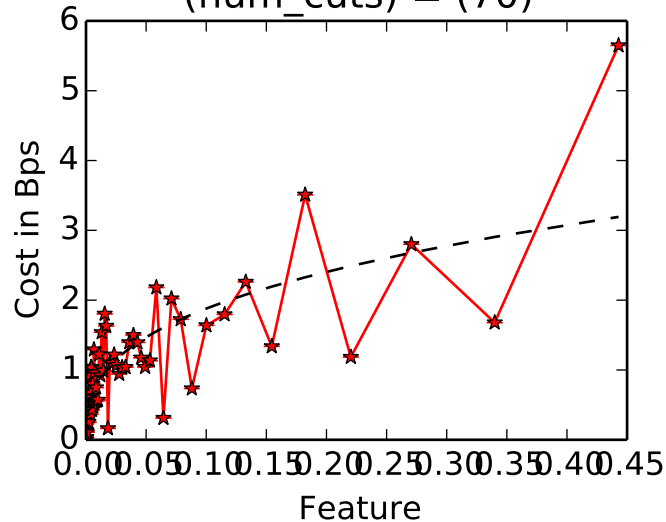
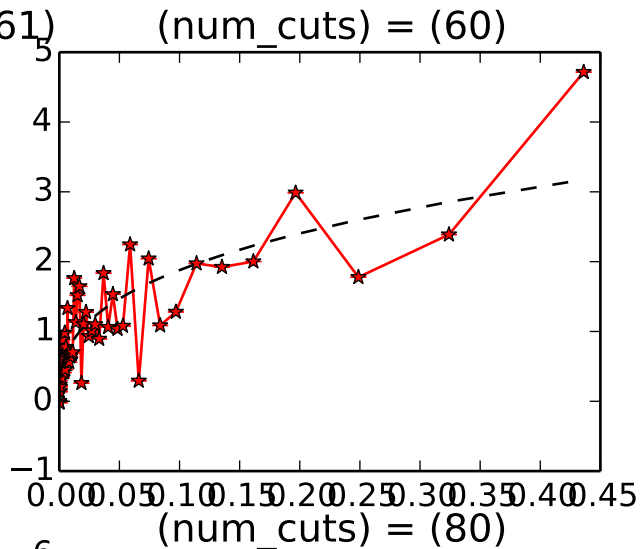
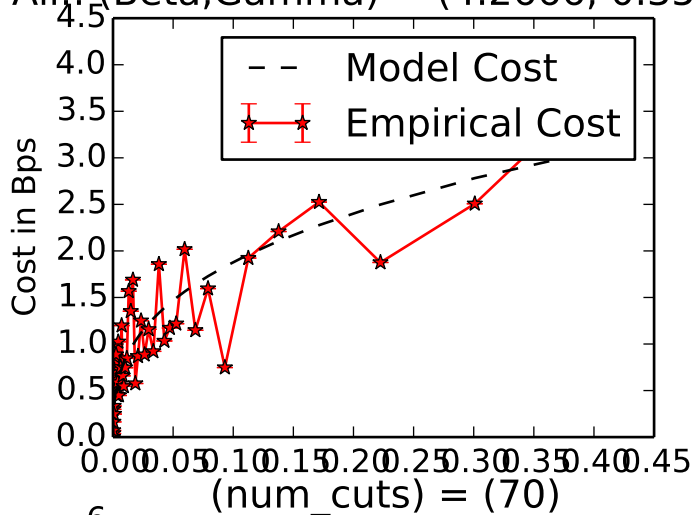
0.  
0.  
1.



All:: (Beta,Gamma) = (4.2666, 0.3561)



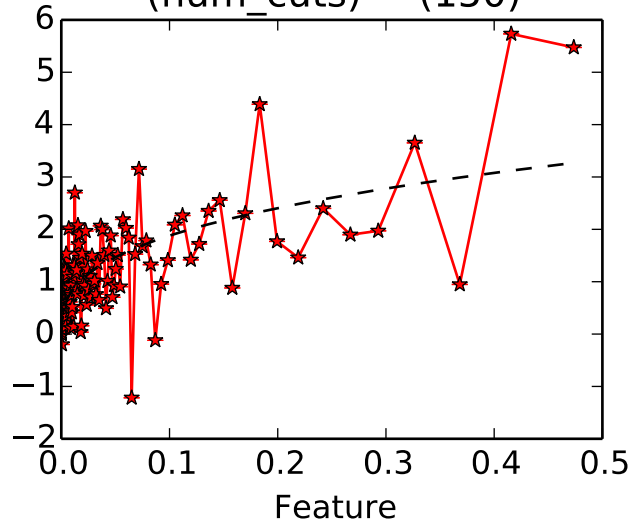
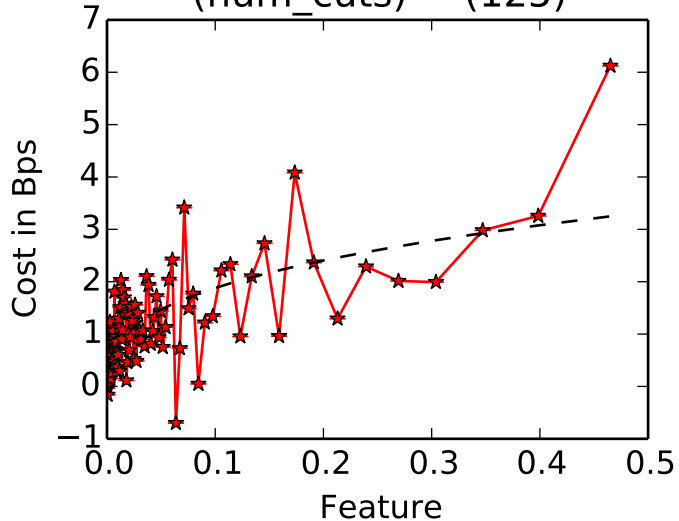
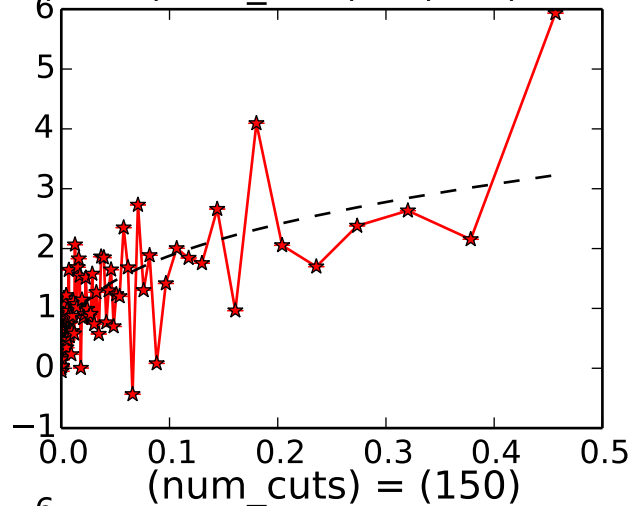
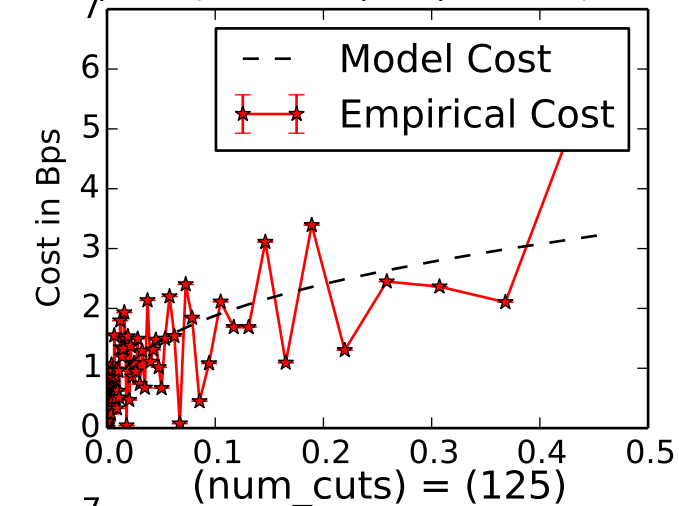
All:: (Beta, Gamma) = (4.2666, 0.3561)



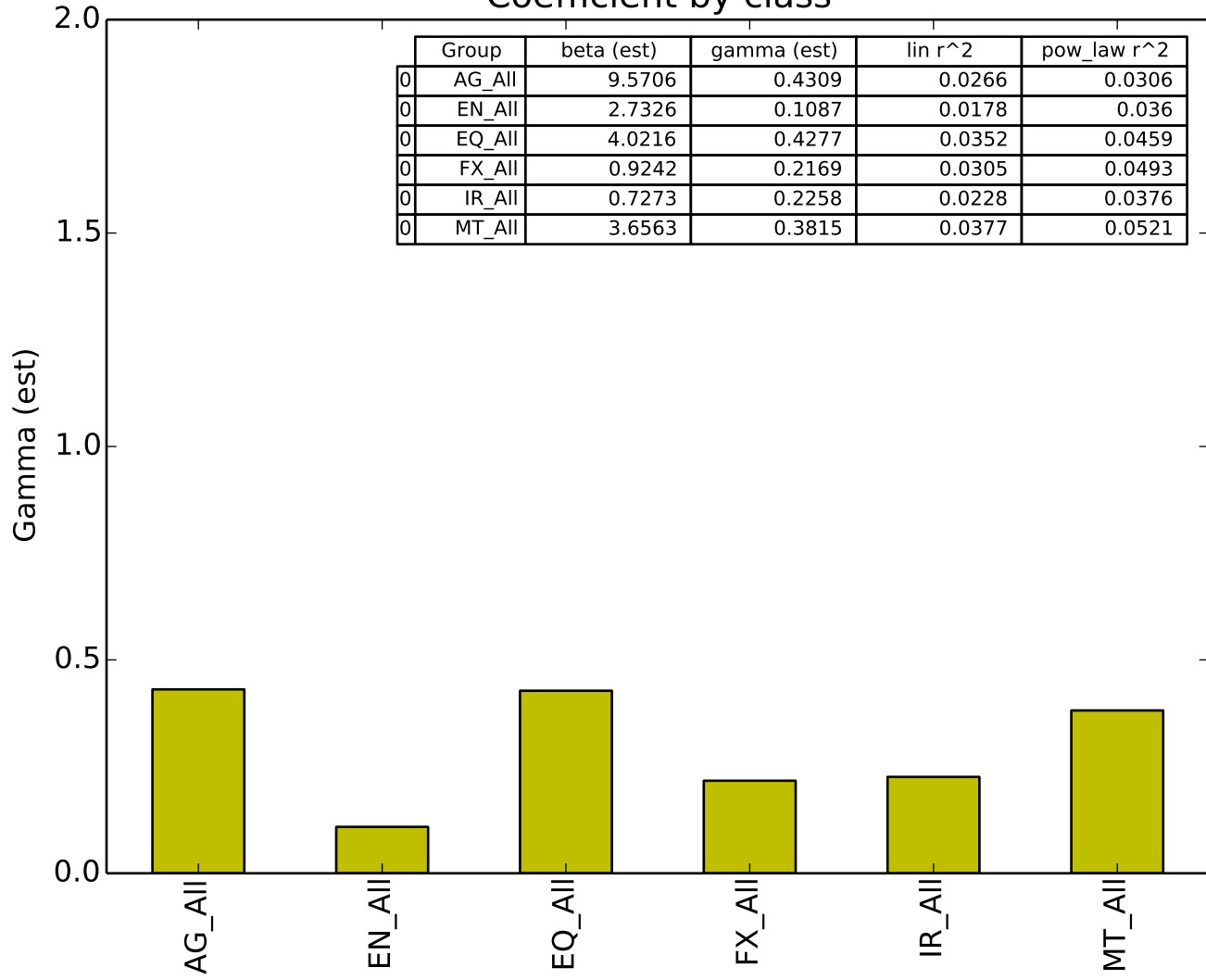


All:: (Beta, Gamma) = (4.2666, 0.3561)

(num\_cuts) = (100)

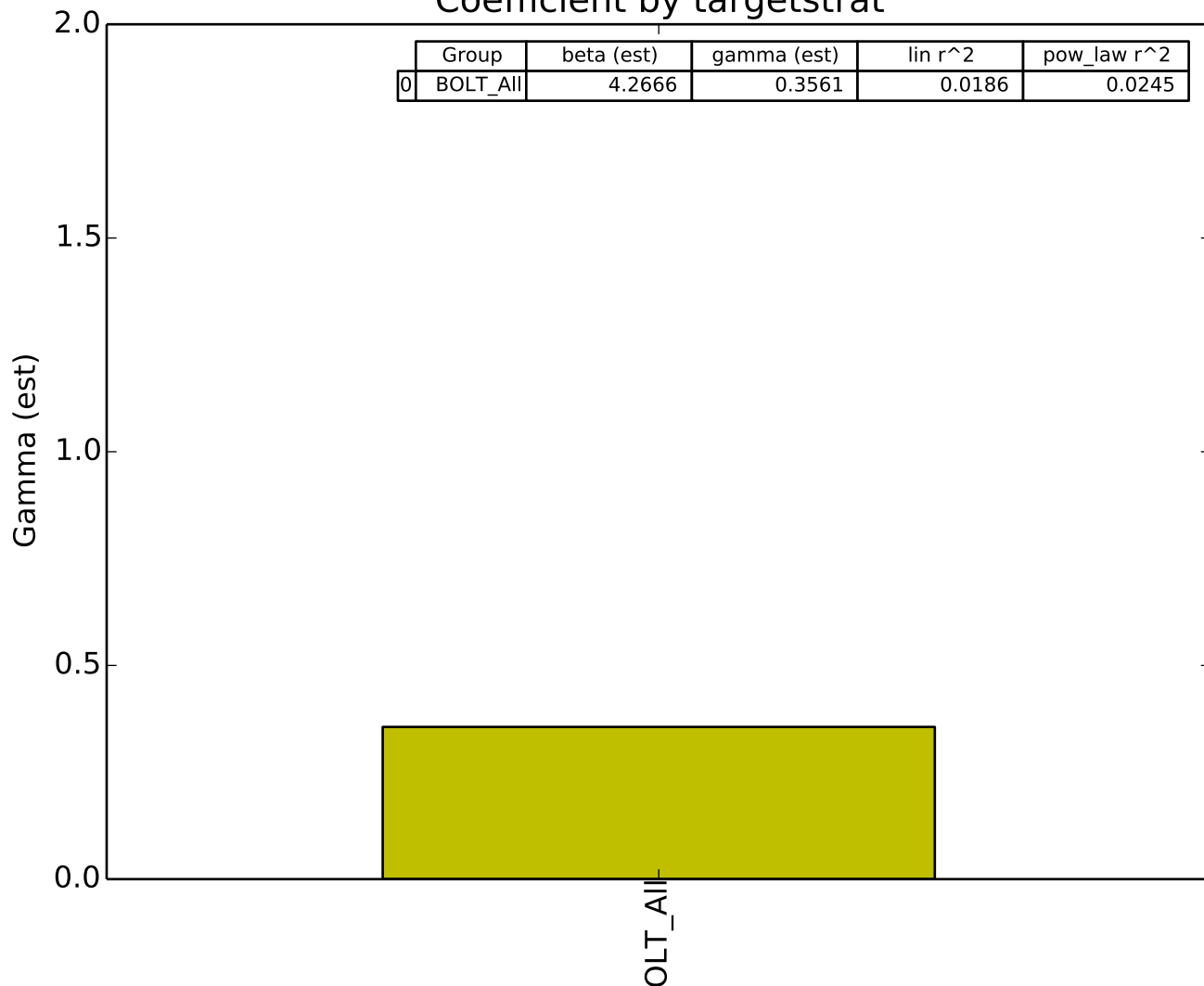


Coefficient by class

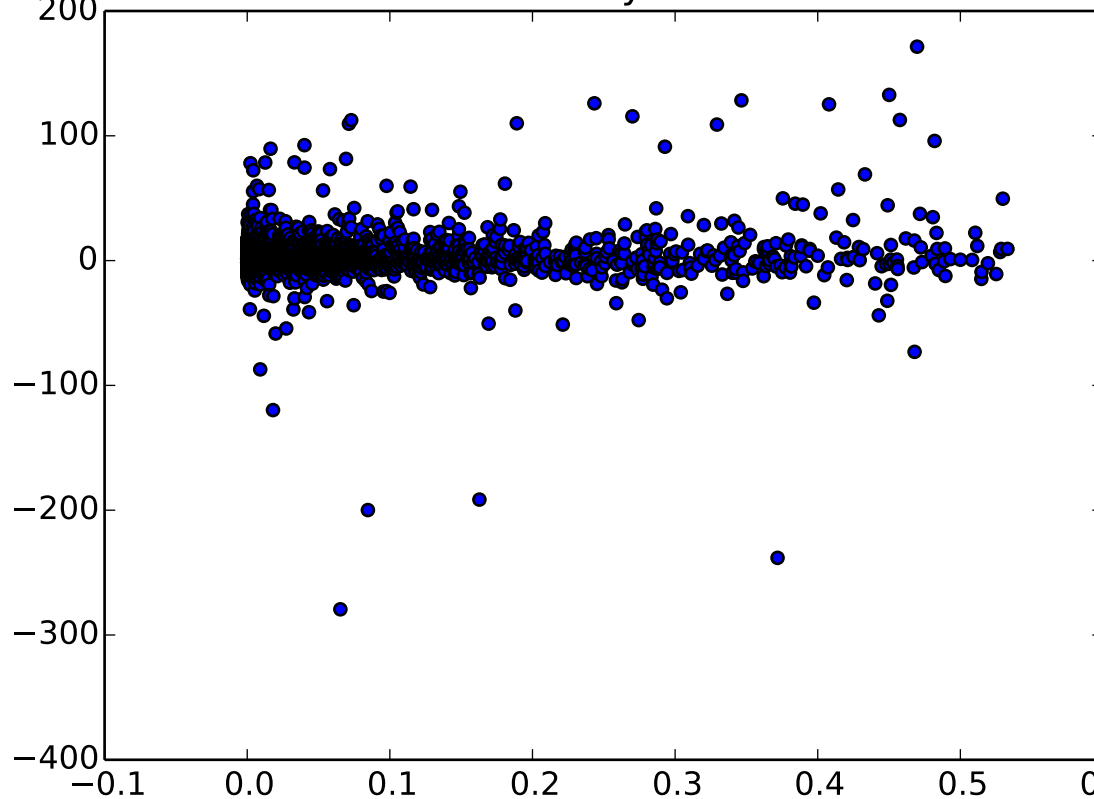
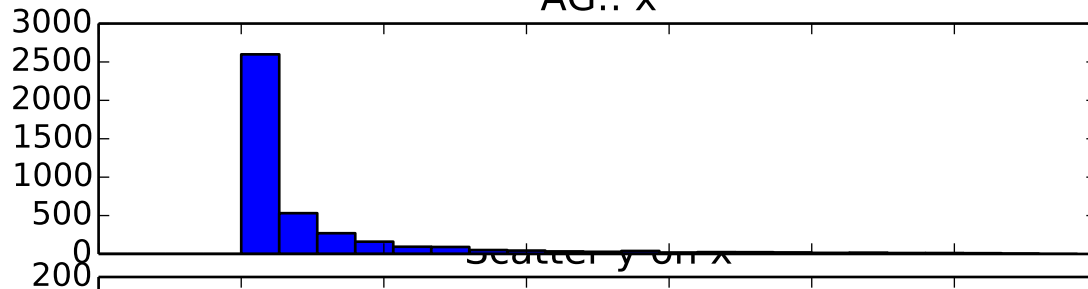


Coefficient by targetstrat

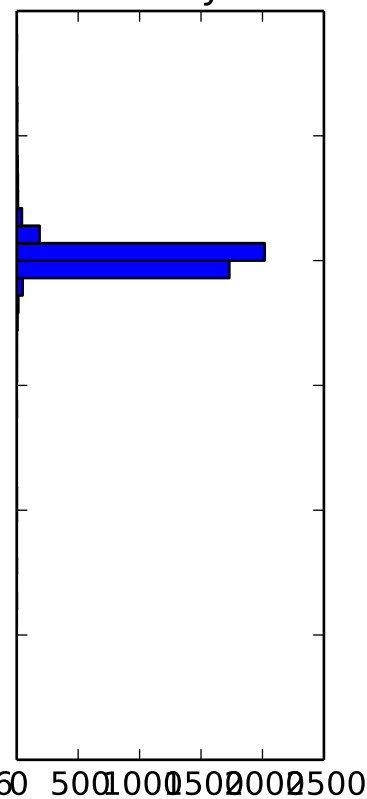
	Group	beta (est)	gamma (est)	lin r^2	pow_low r^2
0	BOLT_All	4.2666	0.3561	0.0186	0.0245



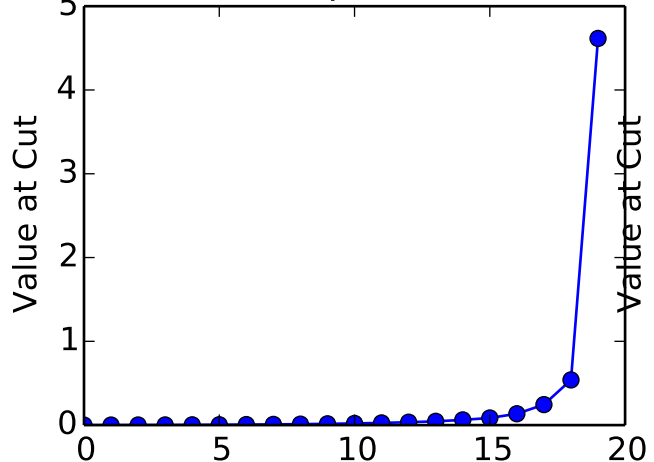
AG::x



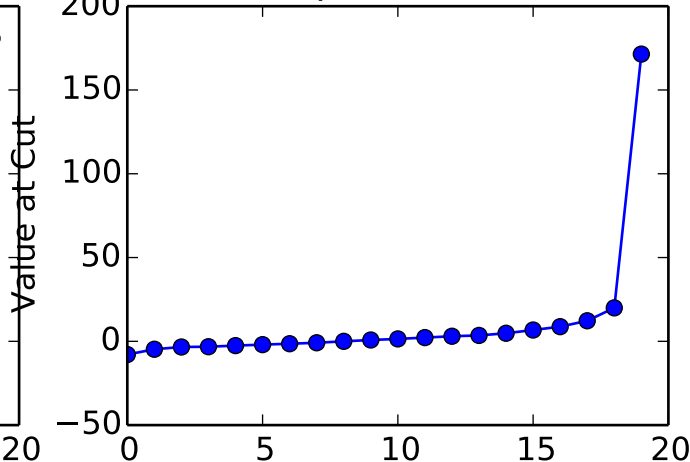
AG::y



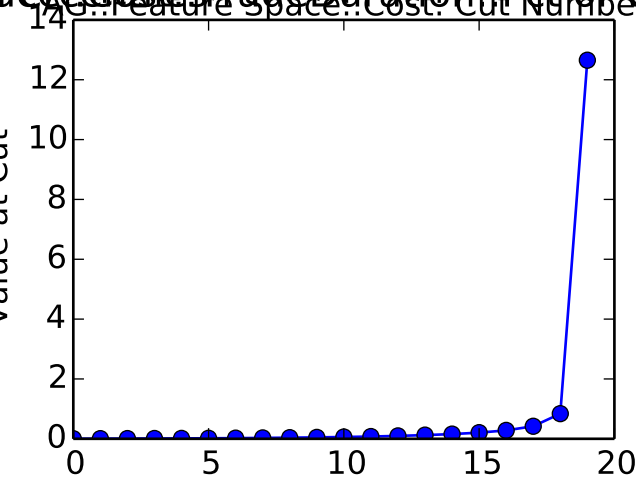
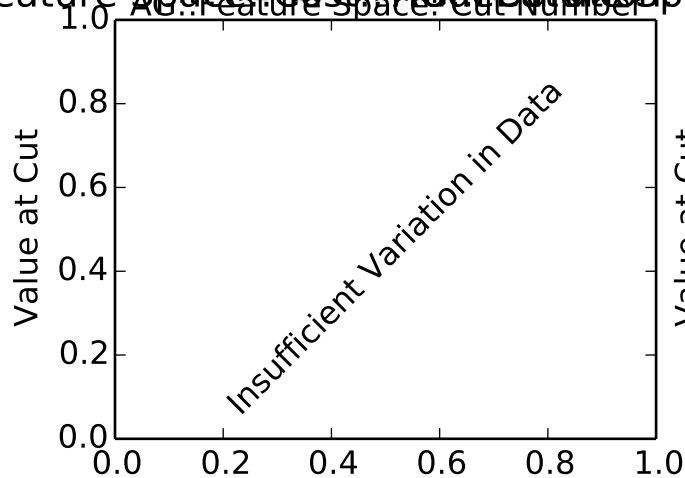
AG::Feature Space: Percentiles



AG::Feature Space::Cost: Percentiles



AG::Feature Space: Cost: TradeDuration: Pct of Volume

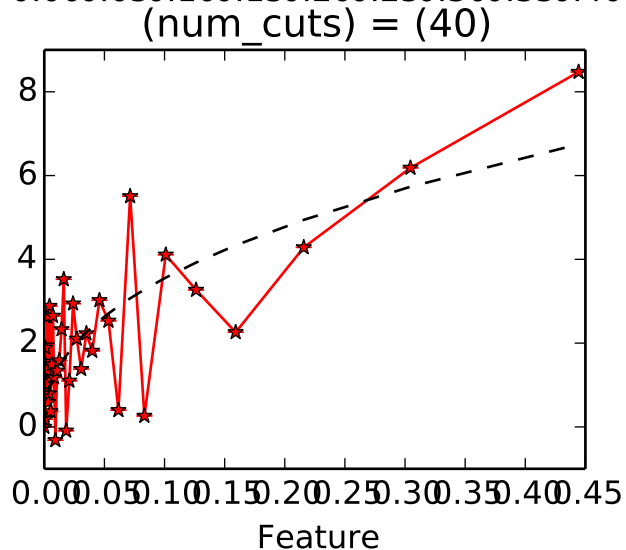
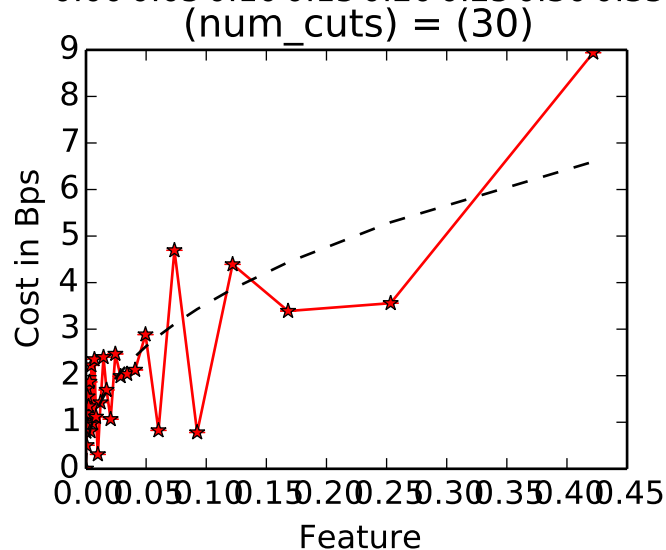
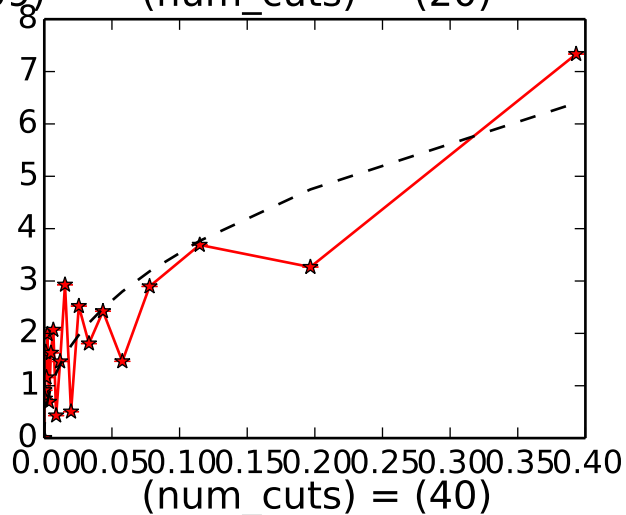
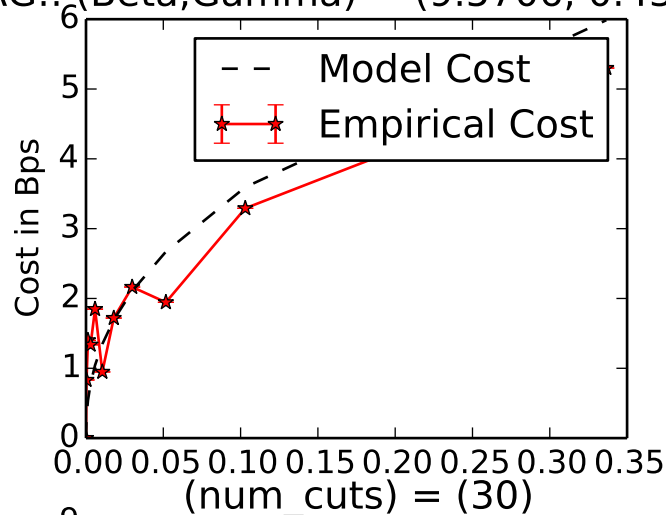


AG::Feature Space::Cost::TradeDuration: Pct of Volume: Cut

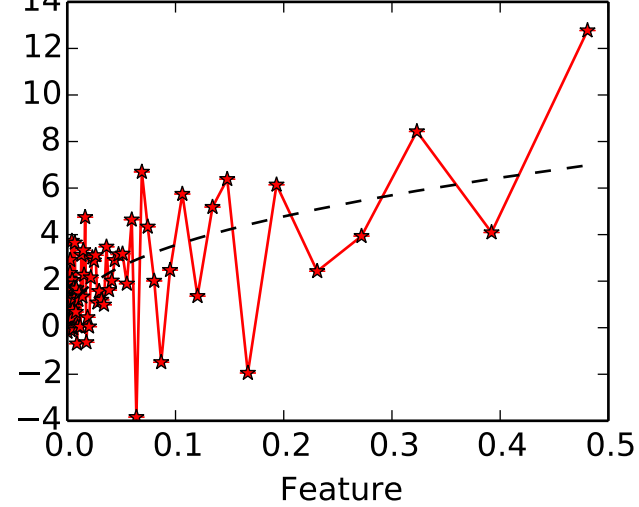
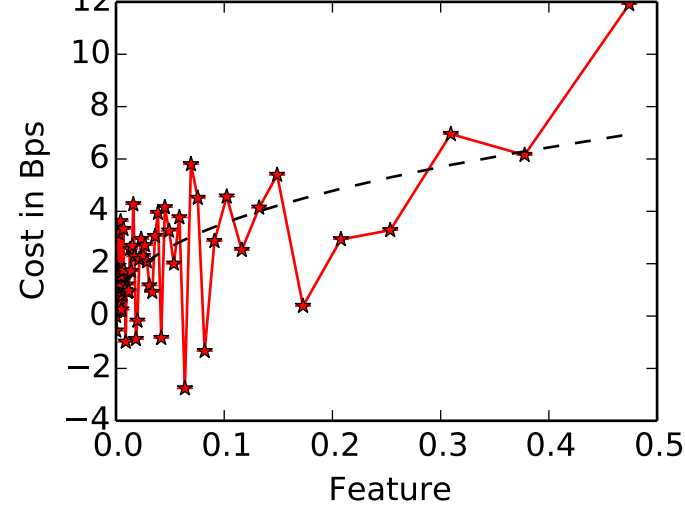
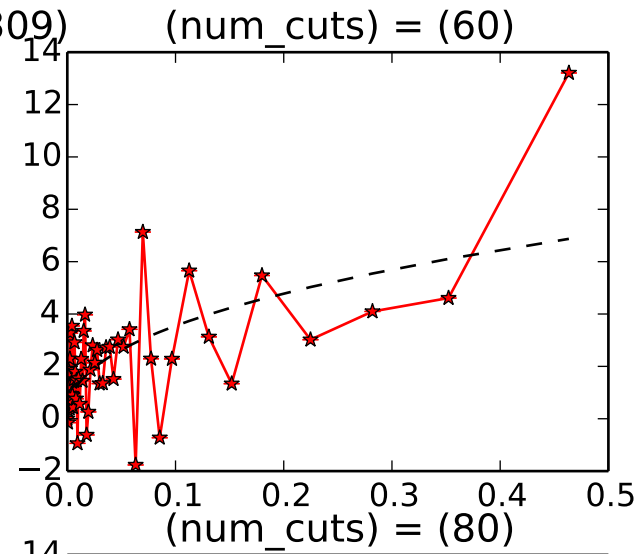
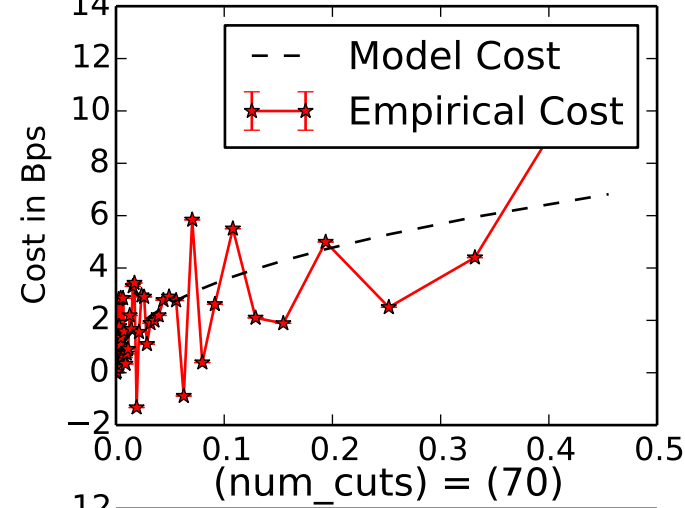
Space::Cost::Tradeoff::Feature Space::Cost::Tradeoff::Size::Duration::Cut of Volume::Size in Lots::Duration

AG:: (Beta,Gamma) = (9.5706, 0.4309)

(num\_cuts) = (20)

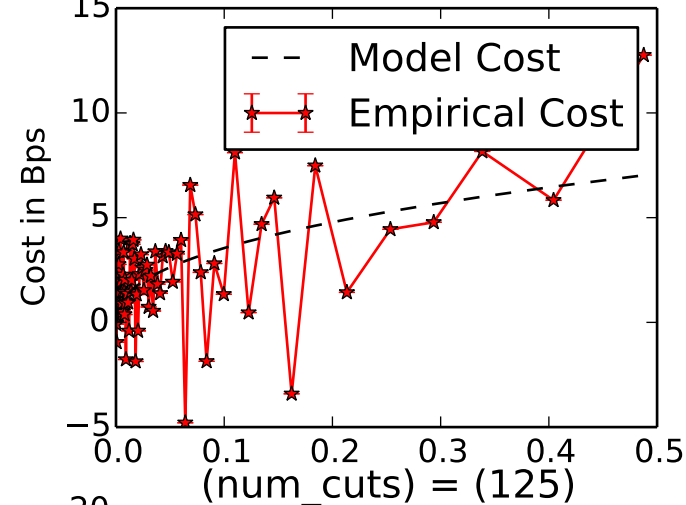


AG: (Beta, Gamma) = (9.5706, 0.4309)

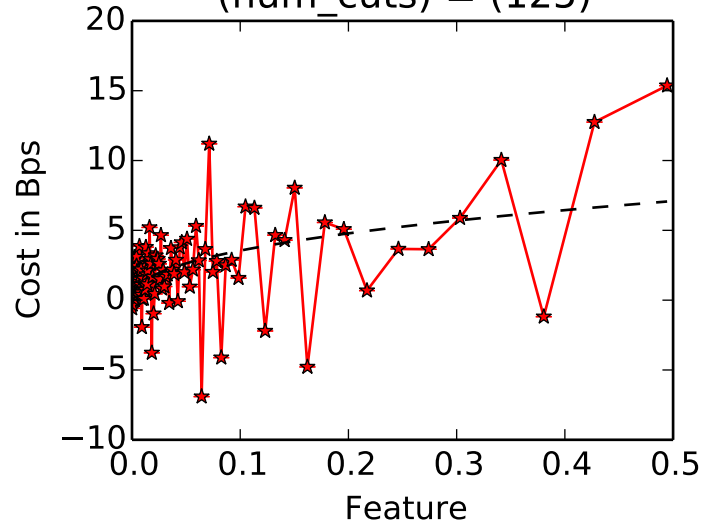
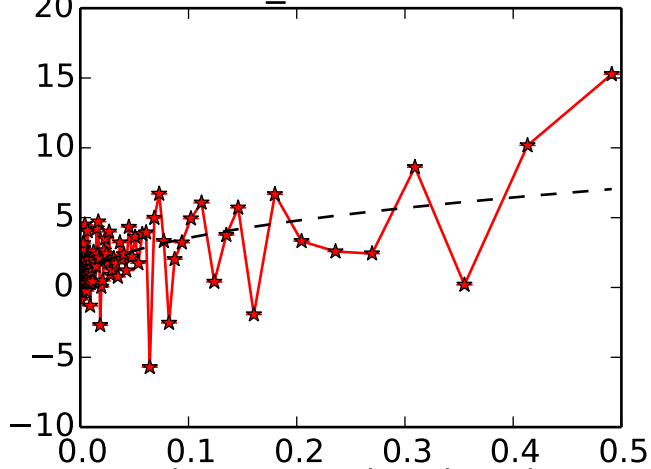




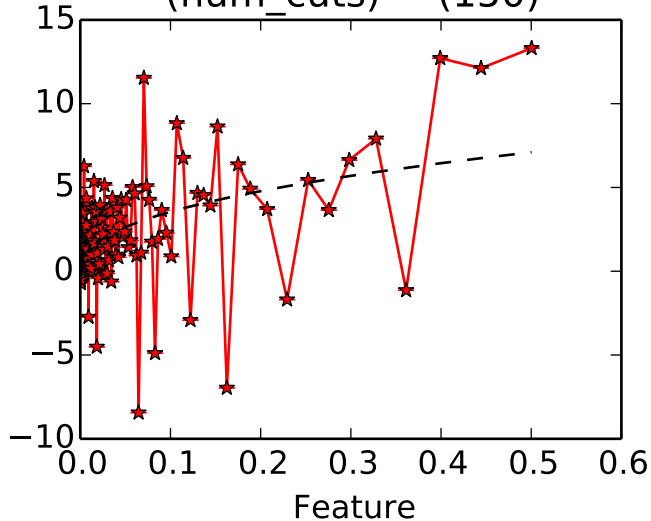
AG: (Beta, Gamma) = (9.5706, 0.4309)



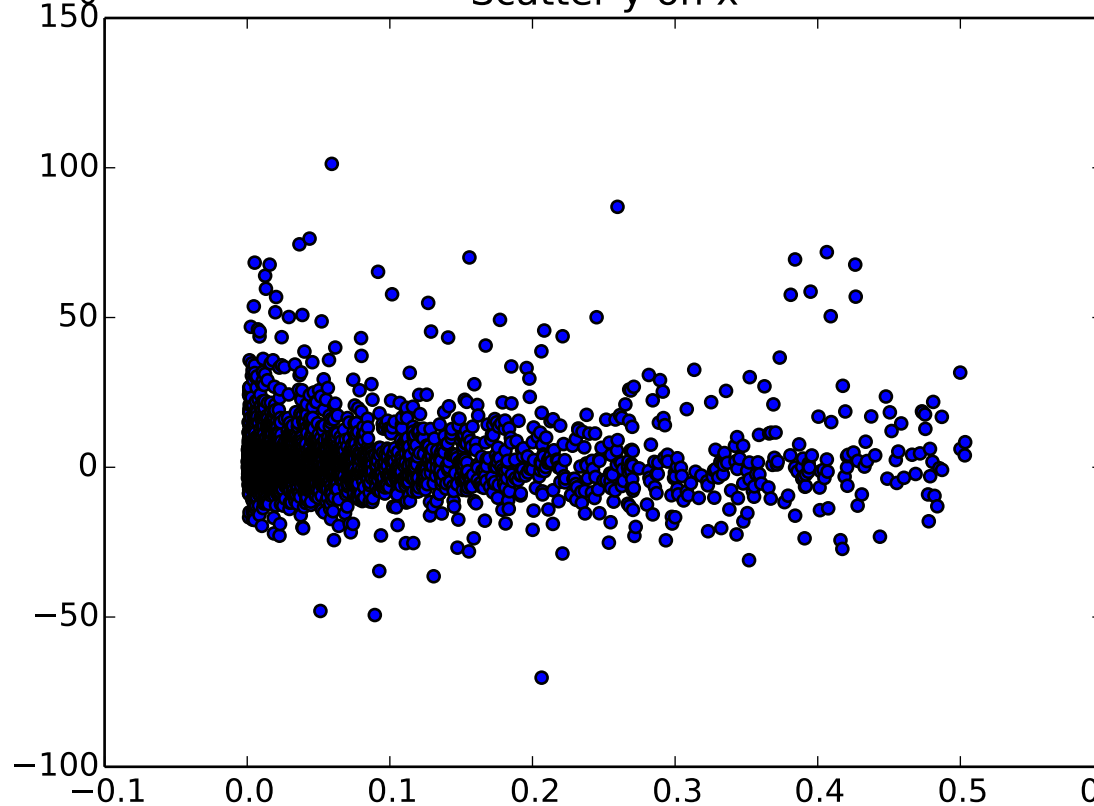
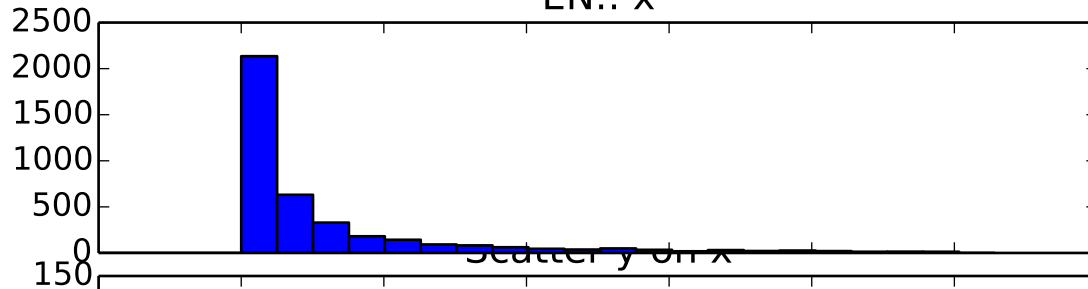
(num\_cuts) = (100)



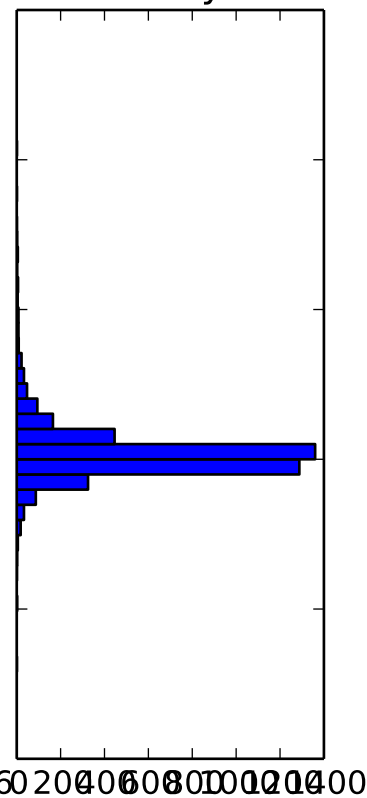
(num\_cuts) = (150)



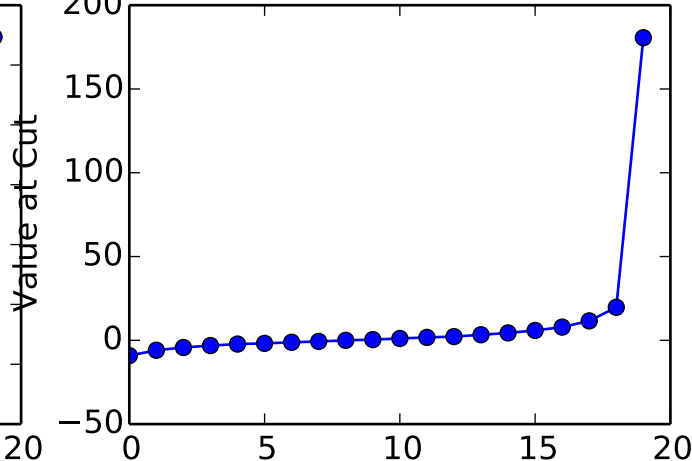
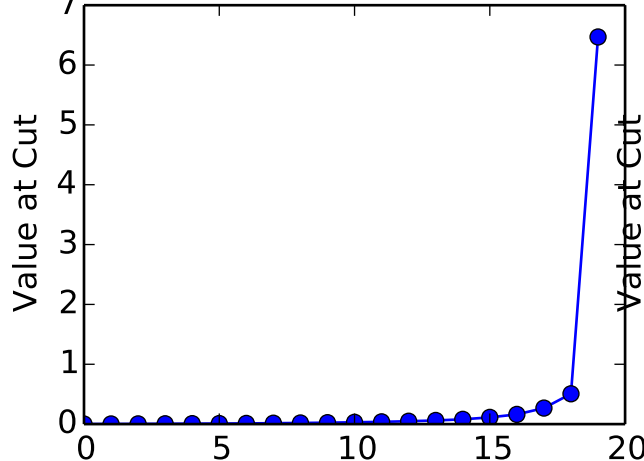
EN::x



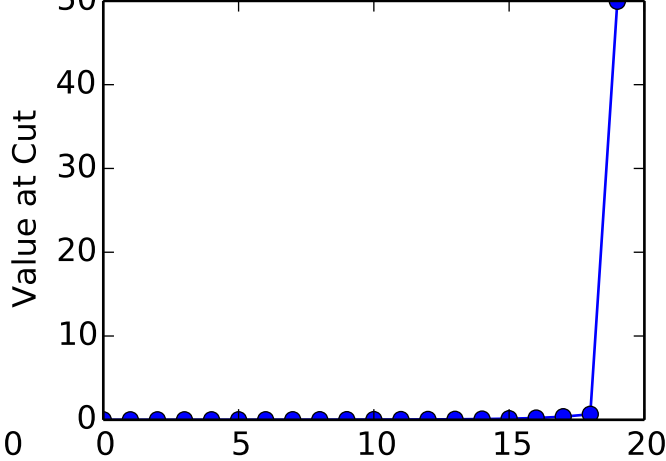
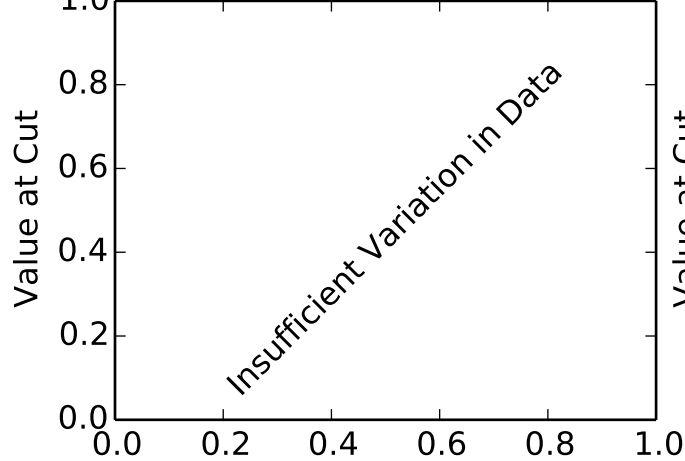
EN::y



EN::Feature Space: PercentilesEN::Feature Space::Cost: Percentiles

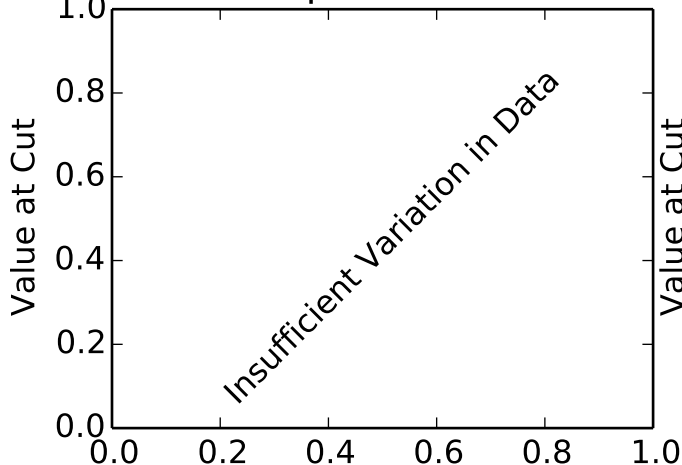


N::Feature Space: Cost: TradeDuration: Pct of Volume

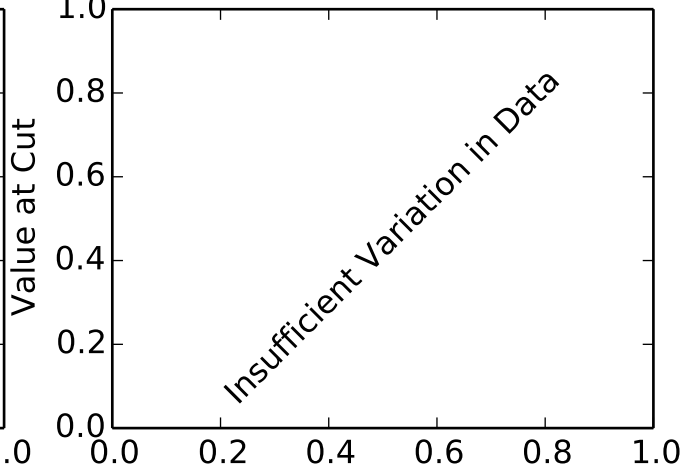


EN::Feature Space::Cost::TradeDuration: Pct of Volume: Cut

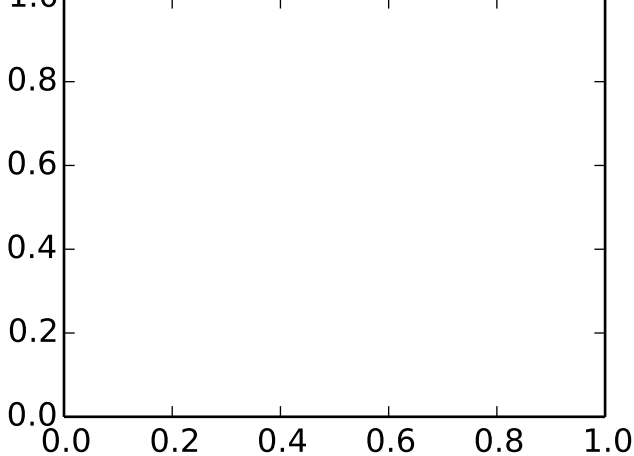
Value at Cut



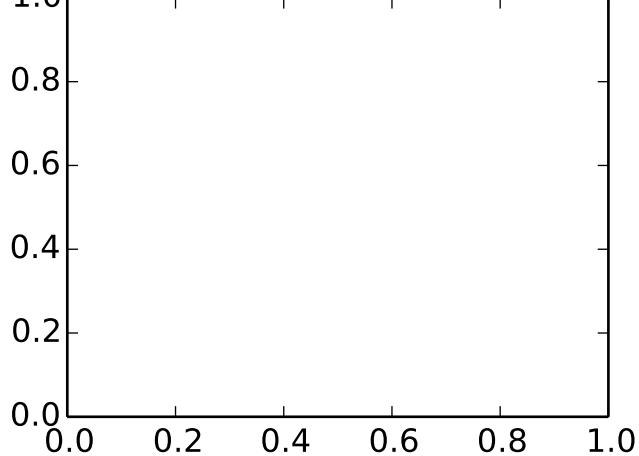
Value at Cut



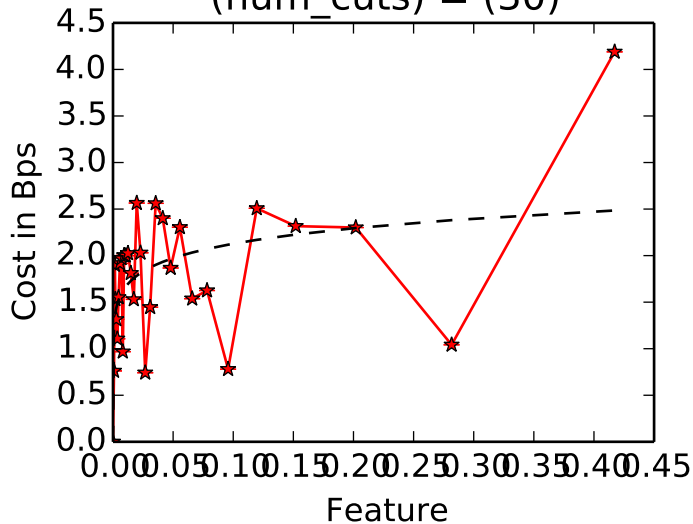
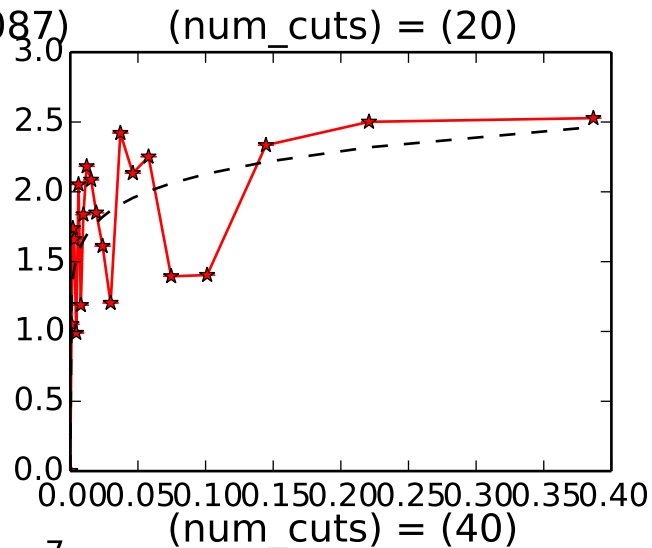
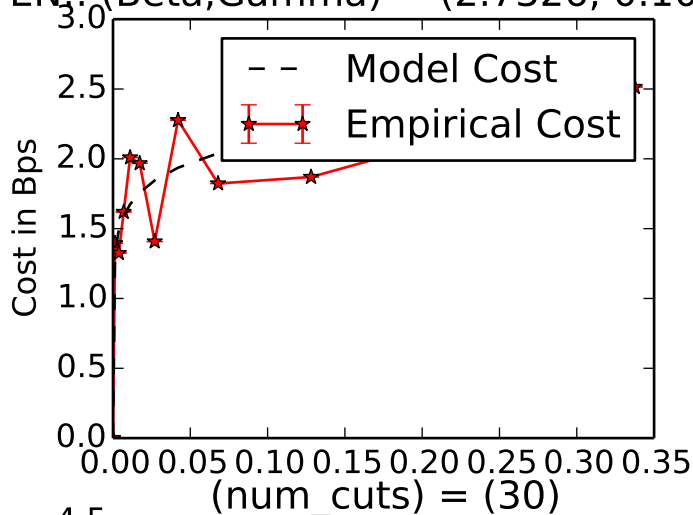
1.  
0.  
0.



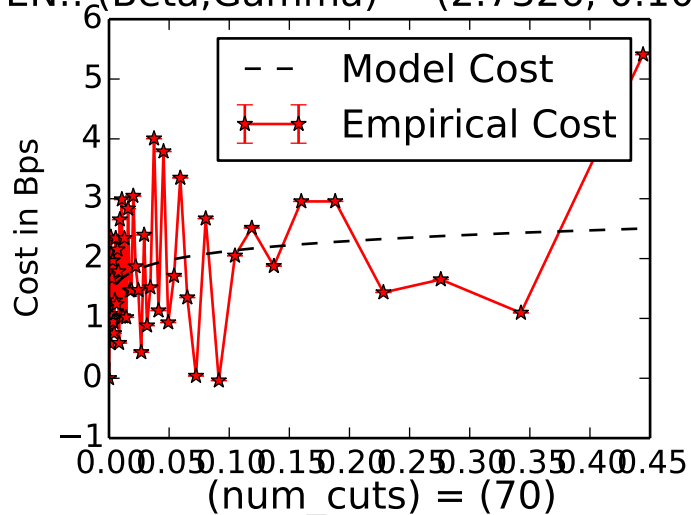
0.0.



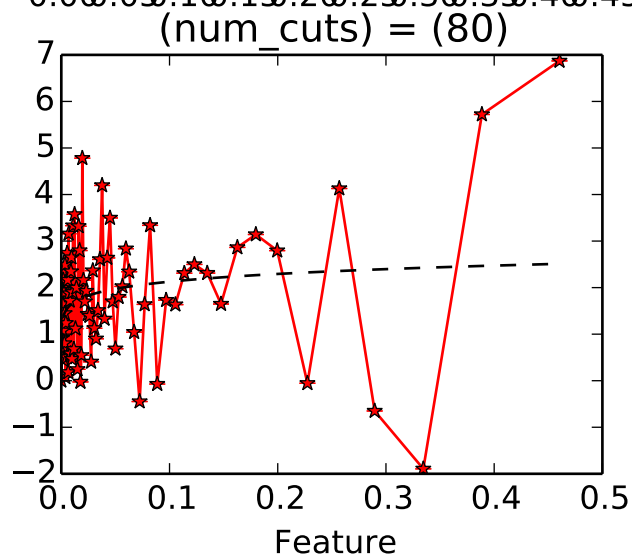
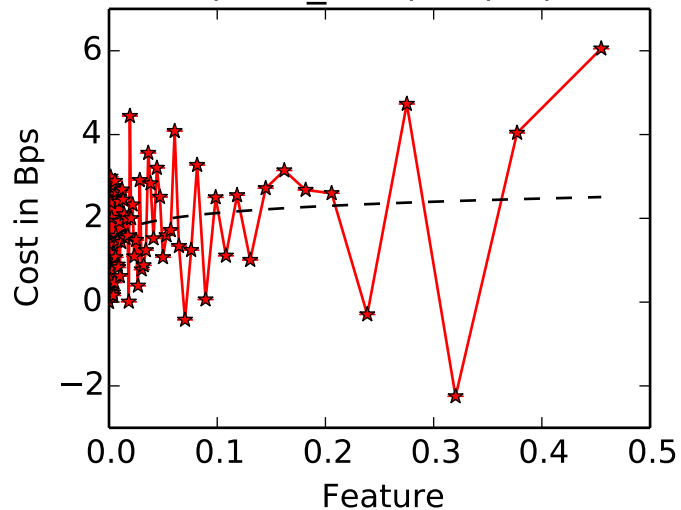
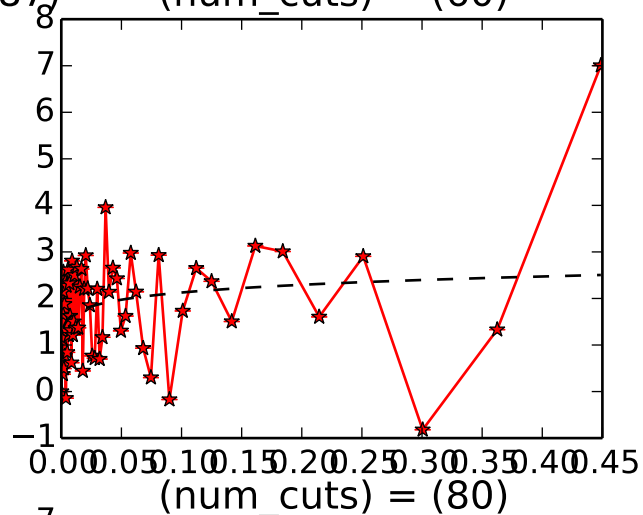
EN:: (Beta, Gamma) = (2.7326, 0.1087)



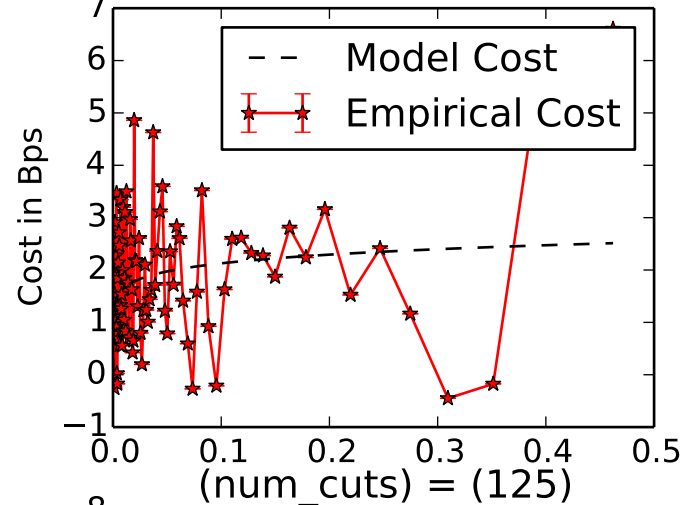
EN:: (Beta,Gamma) = (2.7326, 0.1087)



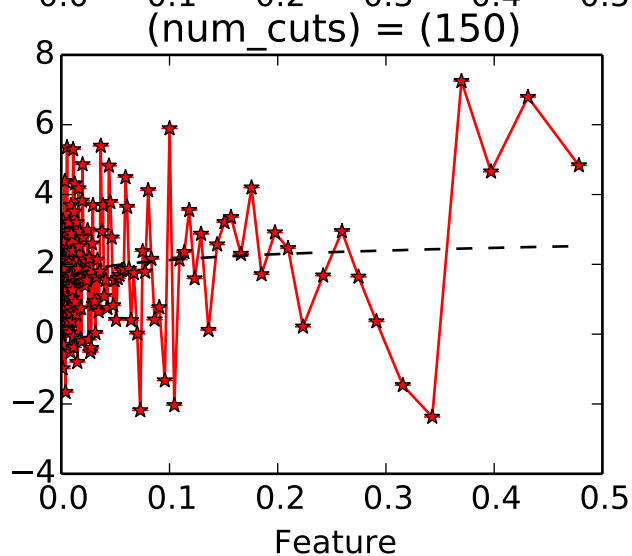
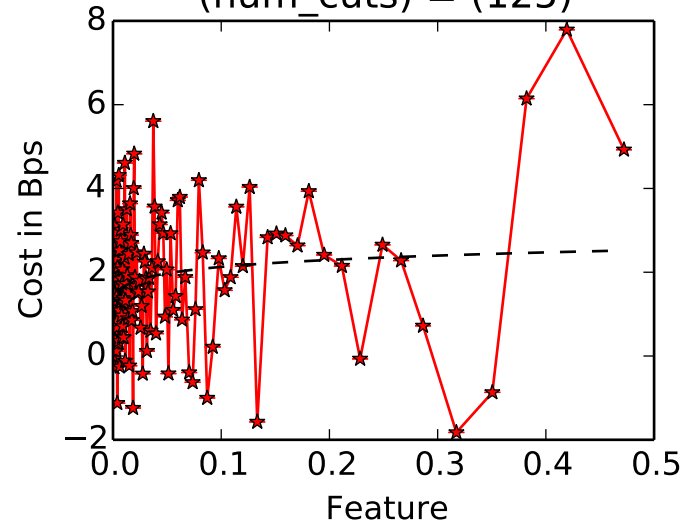
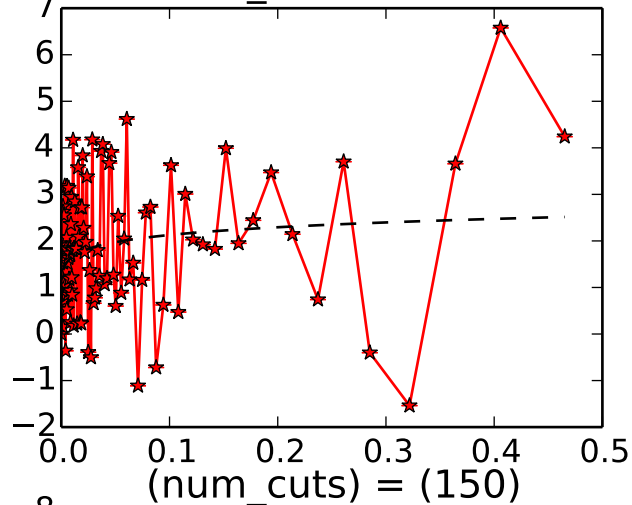
(num\_cuts) = (60)



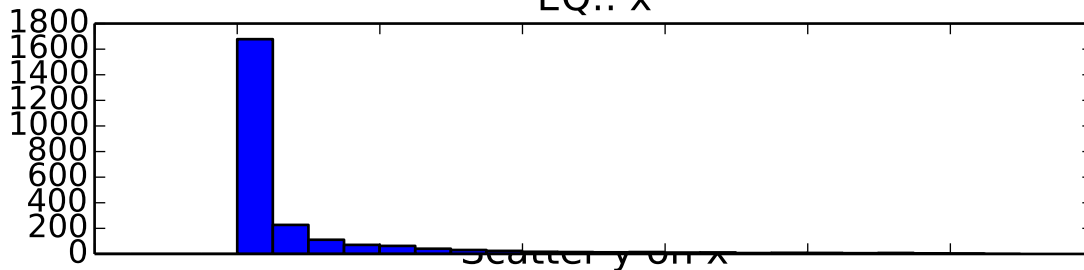
EN::(Beta,Gamma) = (2.7326, 0.1087)



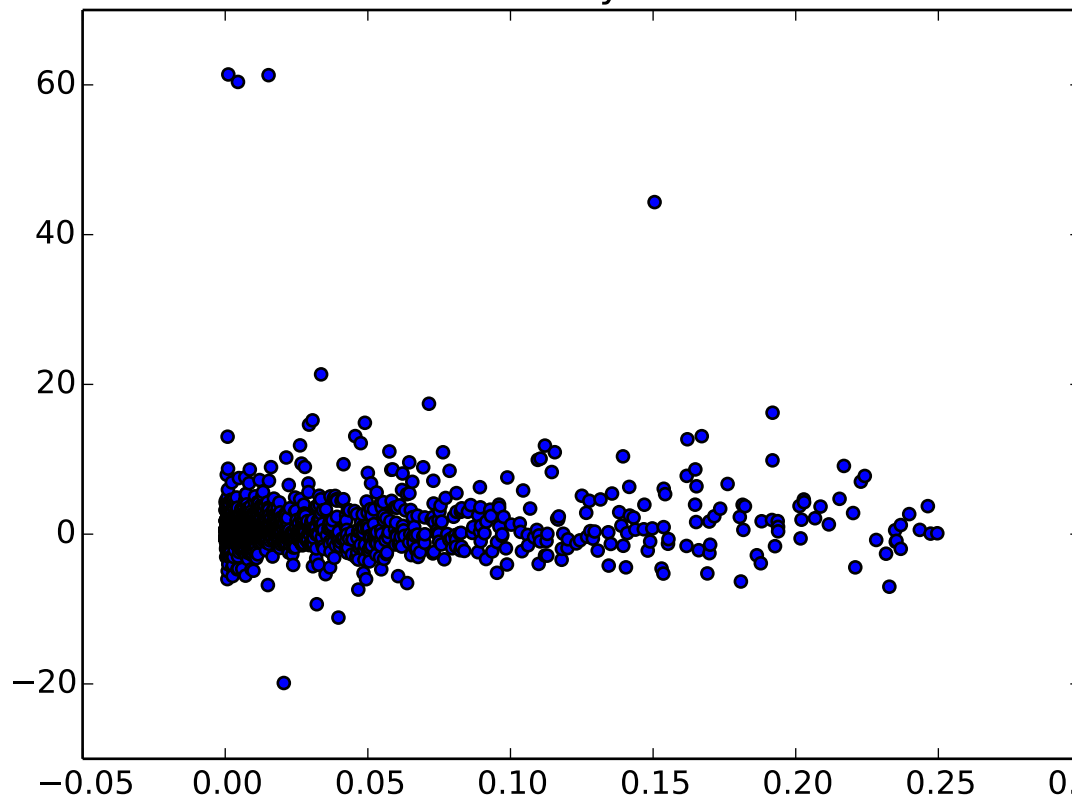
(num\_cuts) = (100)



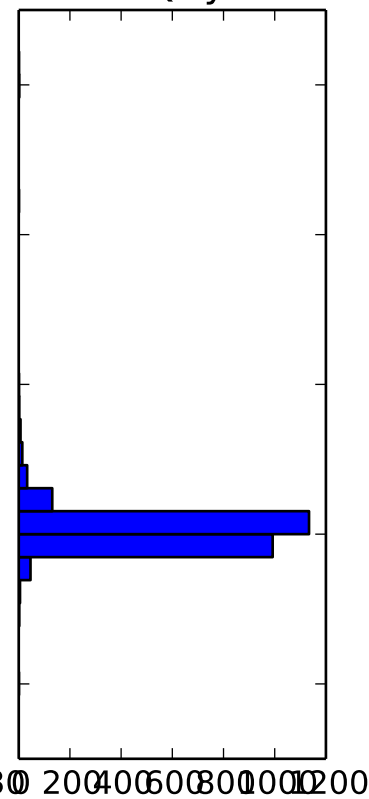
EQ::x



Scatter y on x

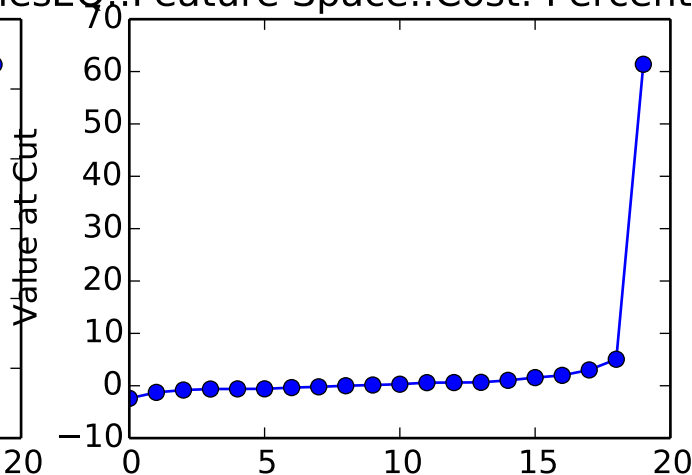
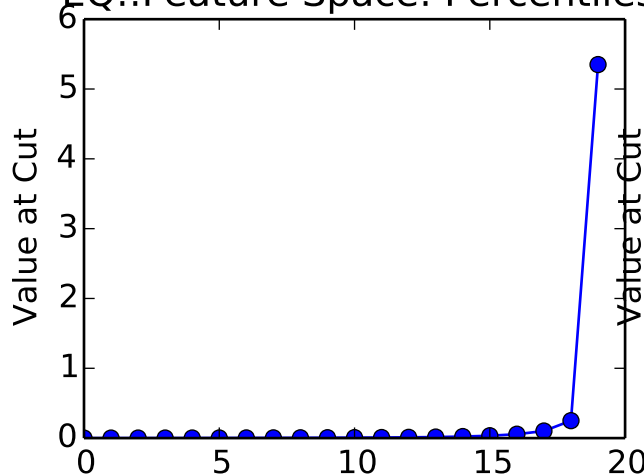


EQ::y

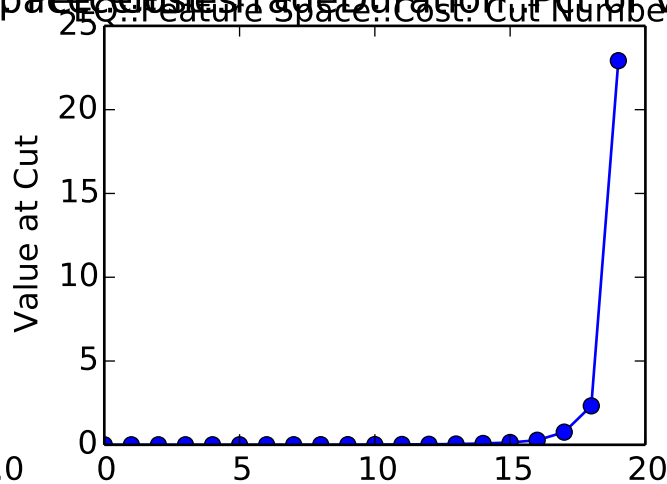
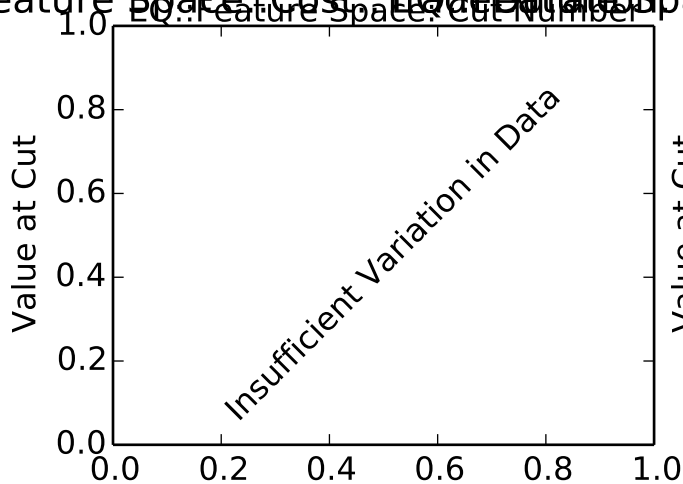




EQ::Feature Space: PercentilesEQ::Feature Space::Cost: Percentiles

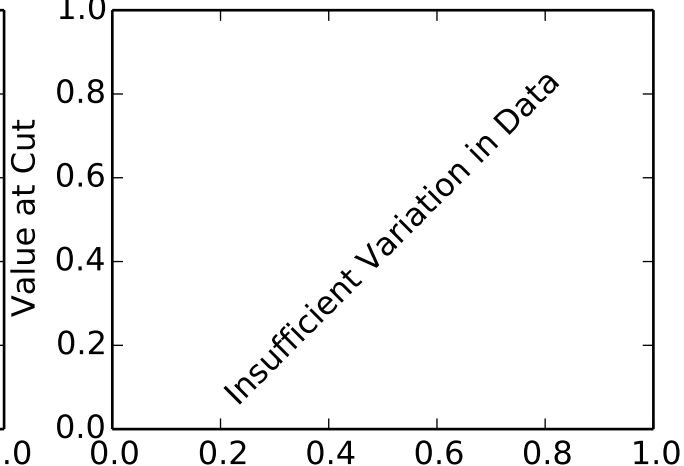
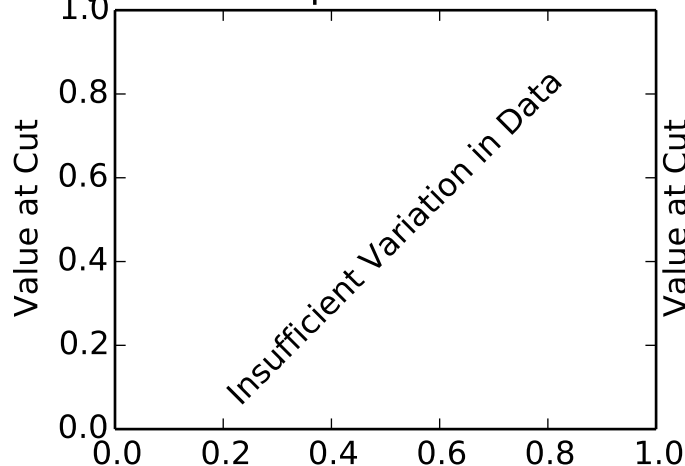


EQ::Feature Space: Cost: TradeDuration: Pct of VolumeEQ::Feature Space: Cost: TradeDuration: Pct of Volume

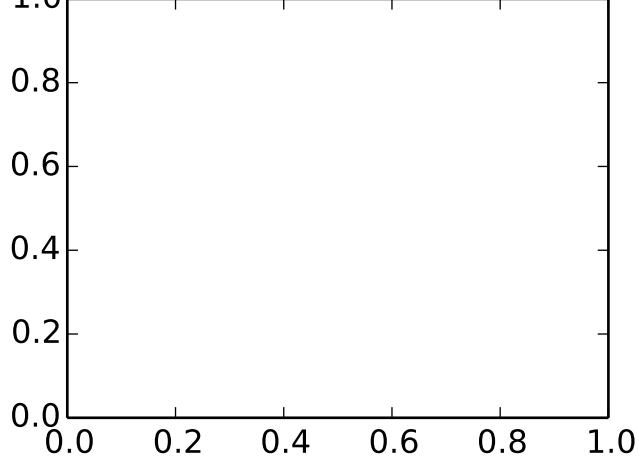
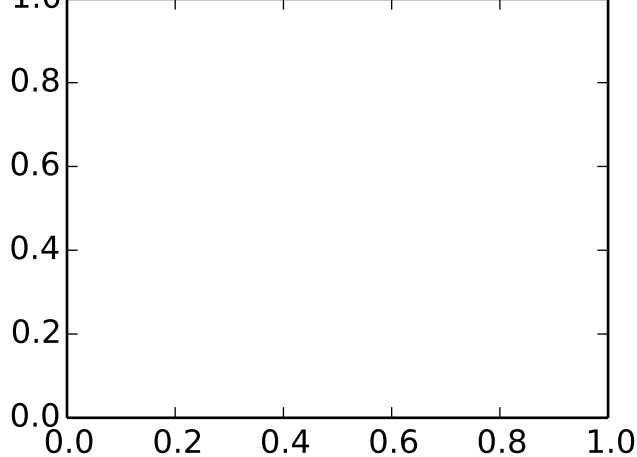


EQ::Feature Space: Cost: TradeDuration: Pct of VolumeEQ::Feature Space: Cost: TradeDuration: Pct of Volume

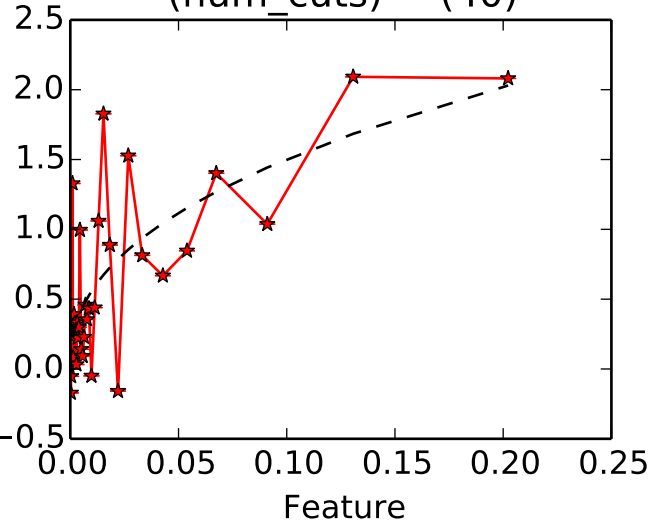
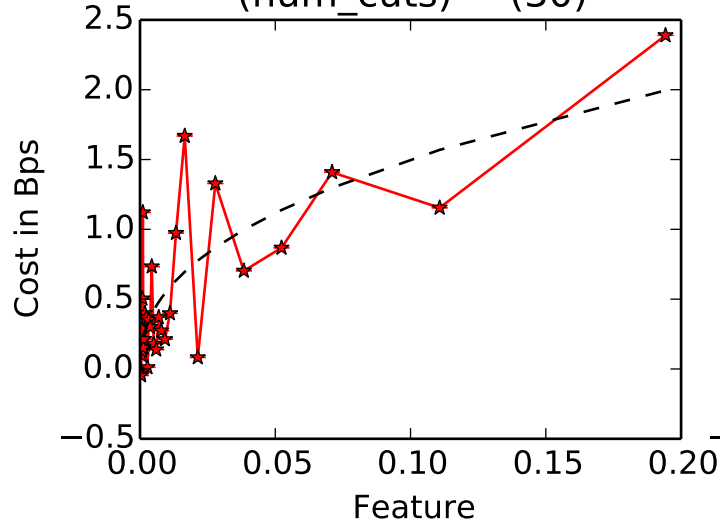
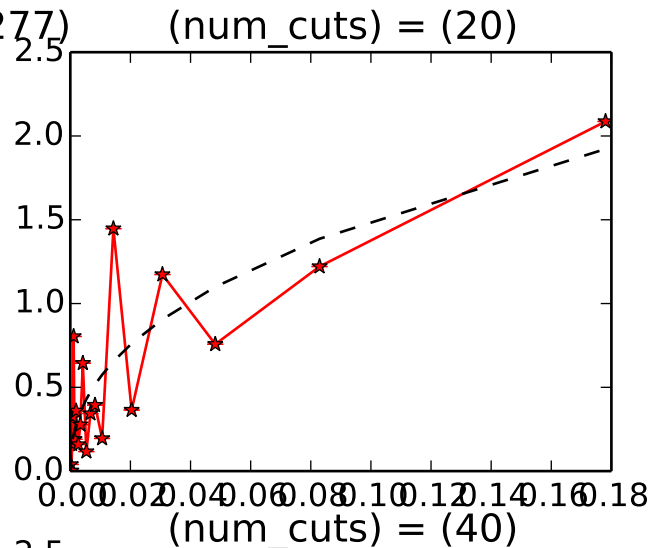
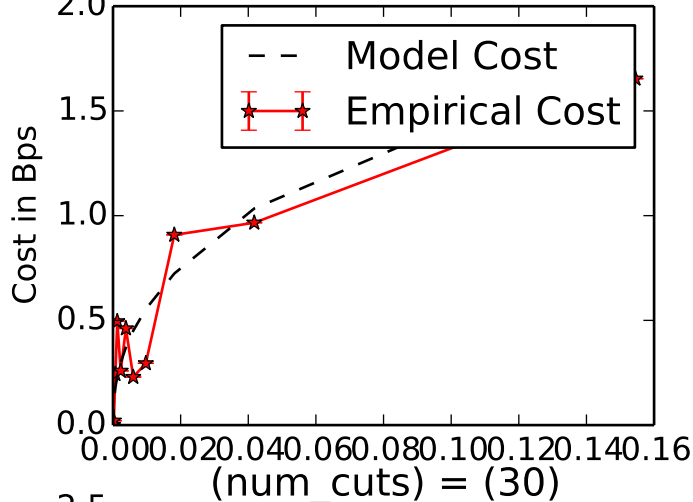
Space::Cost::Feature Space::Cost::Volume::Size in Lots::Duration



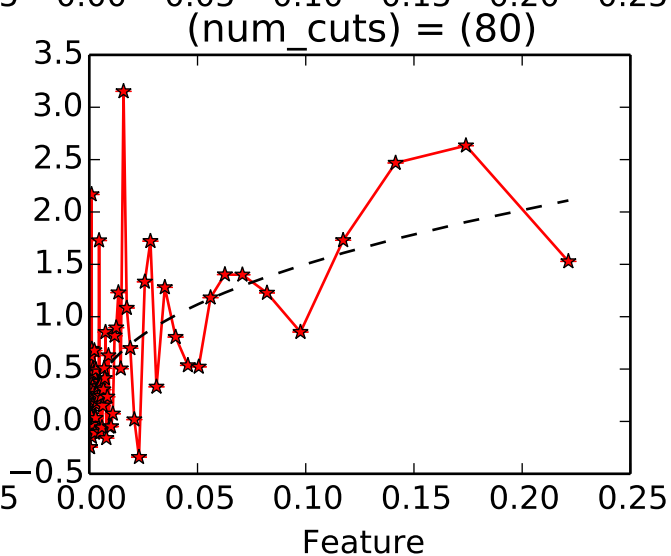
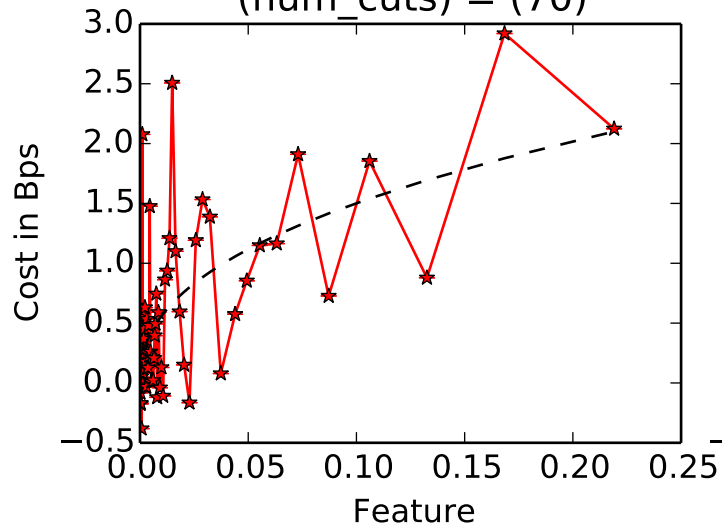
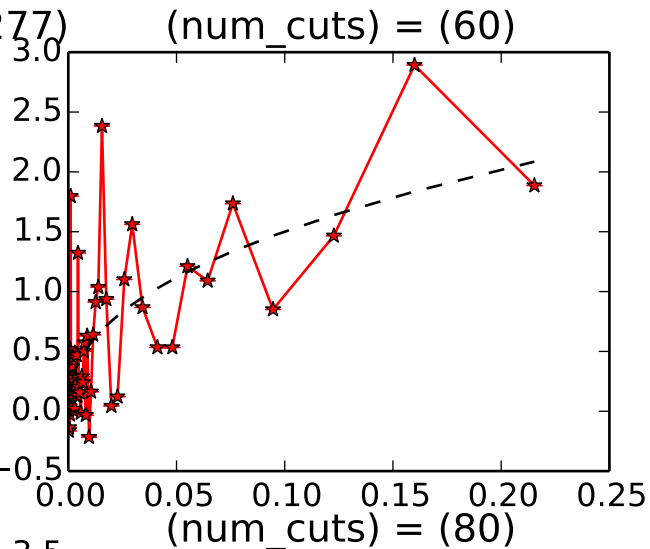
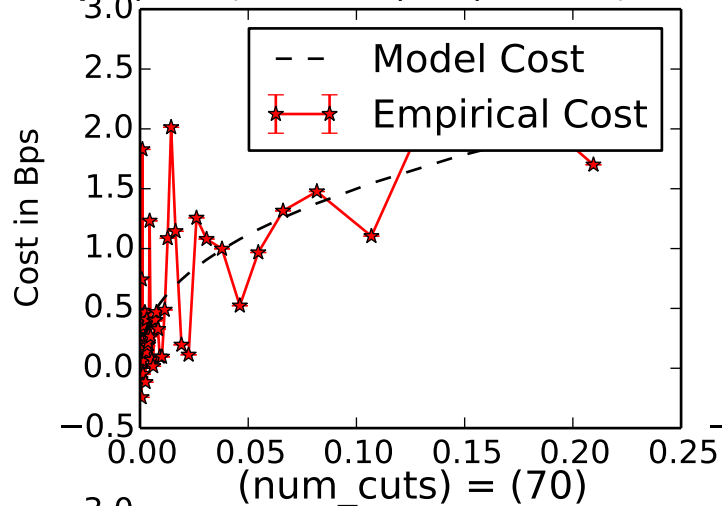
Feature Space::Cost::Volume::Size in Lots::Duration



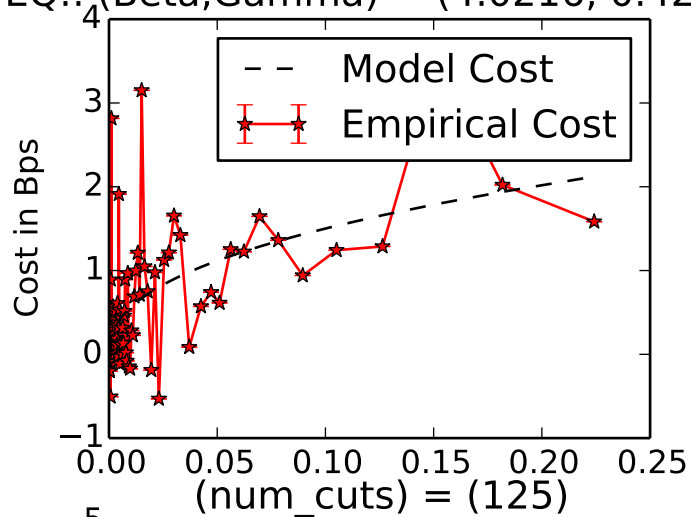
EQ: (Beta, Gamma) = (4.0216, 0.4277)



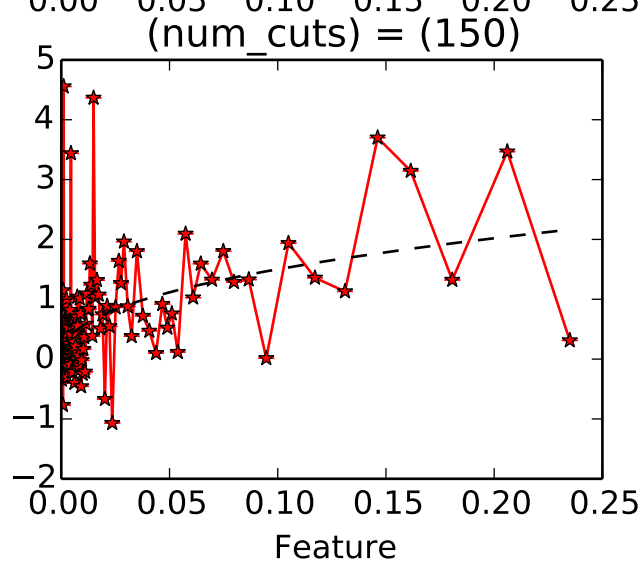
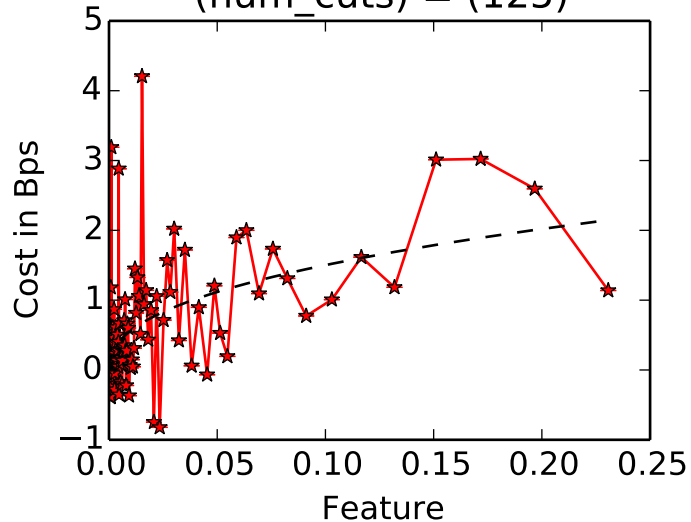
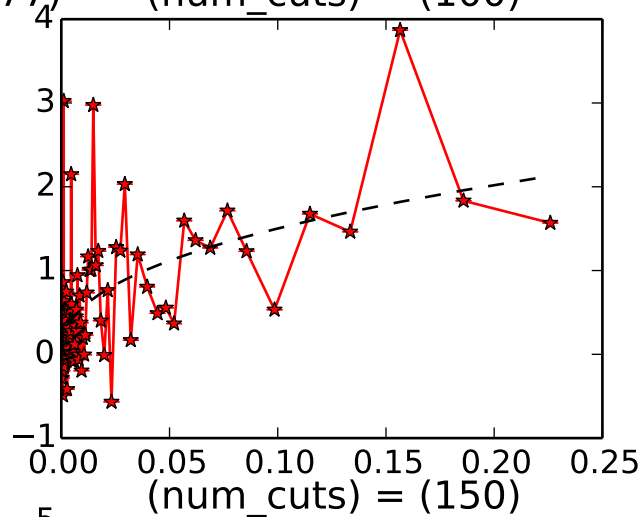
EQ: (Beta, Gamma) = (4.0216, 0.4277)



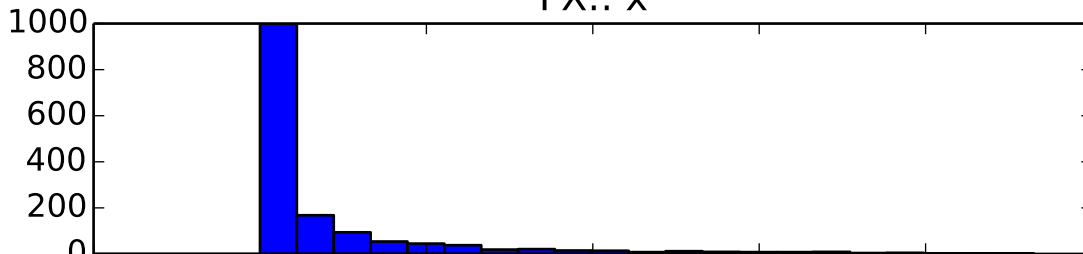
EQ:: (Beta, Gamma) = (4.0216, 0.4277)



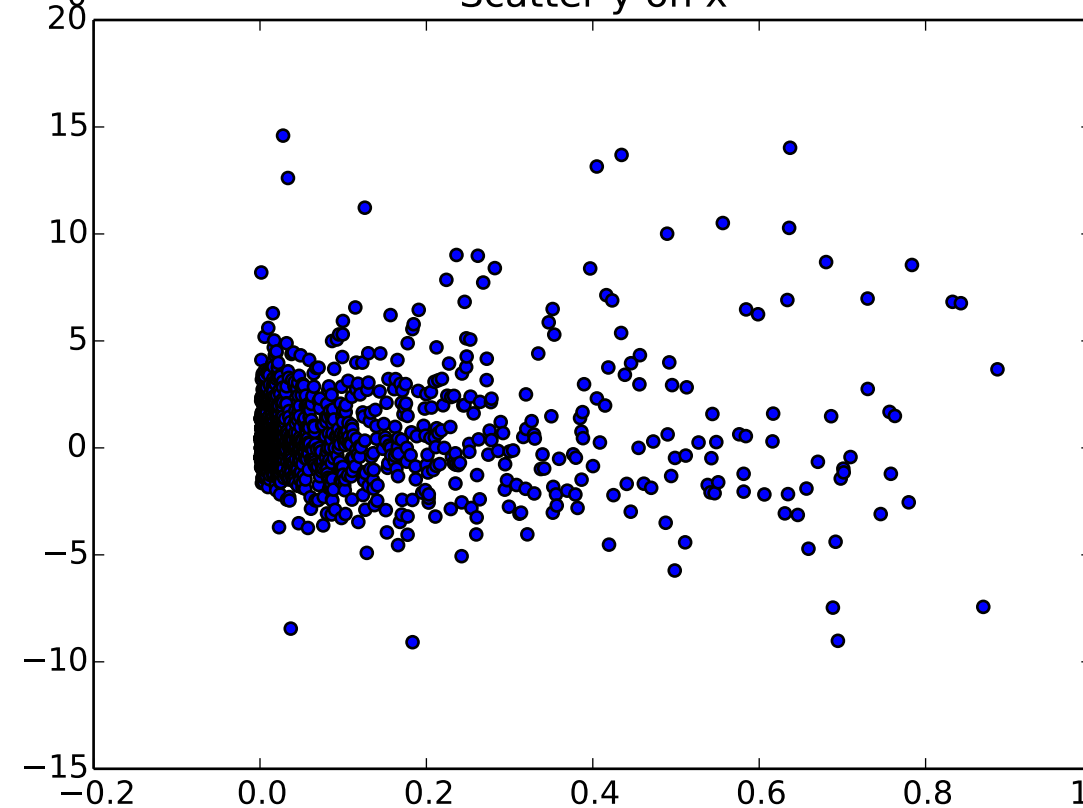
(num\_cuts) = (100)



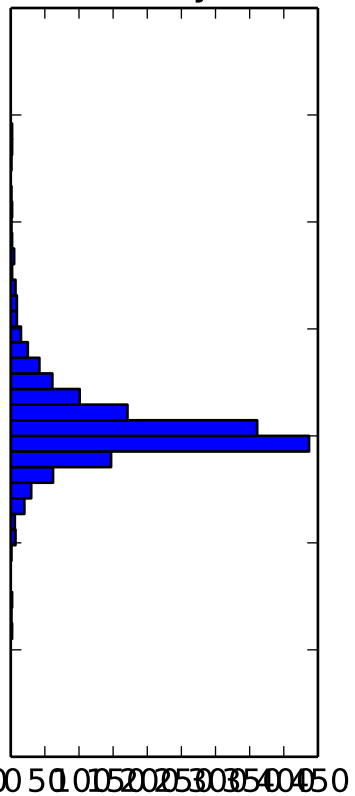
FX:::X

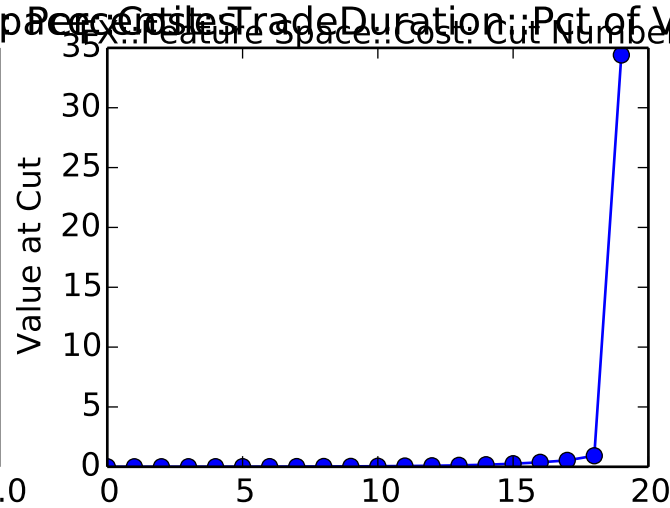
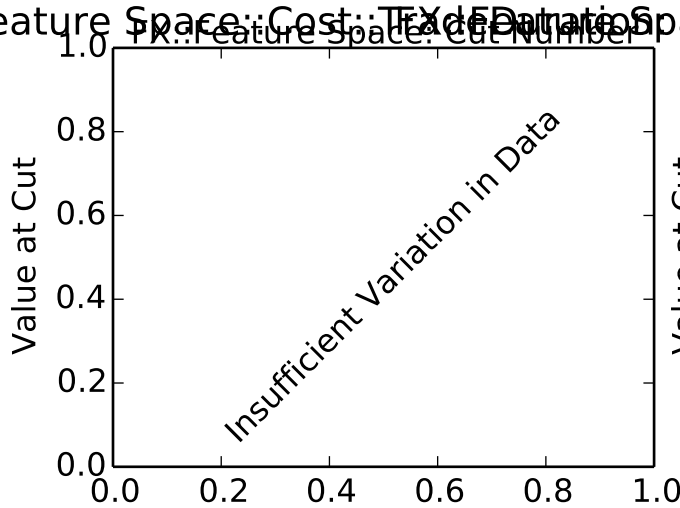
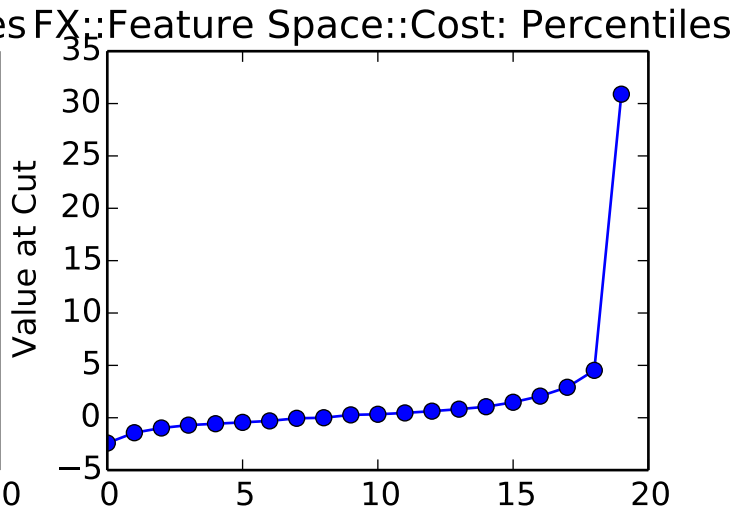
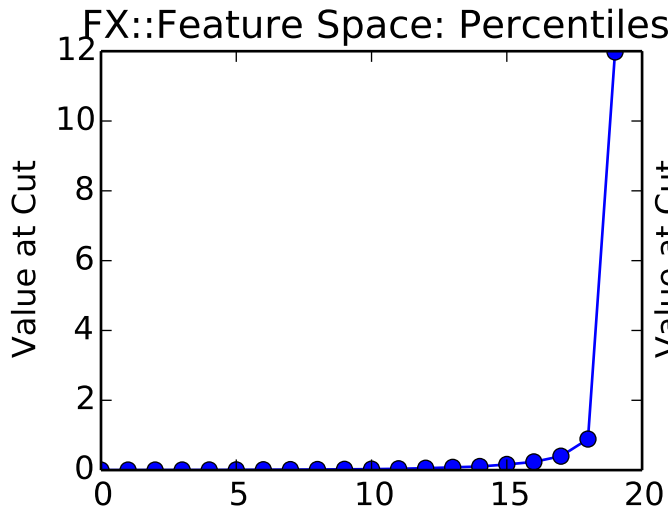


Scatter y on x



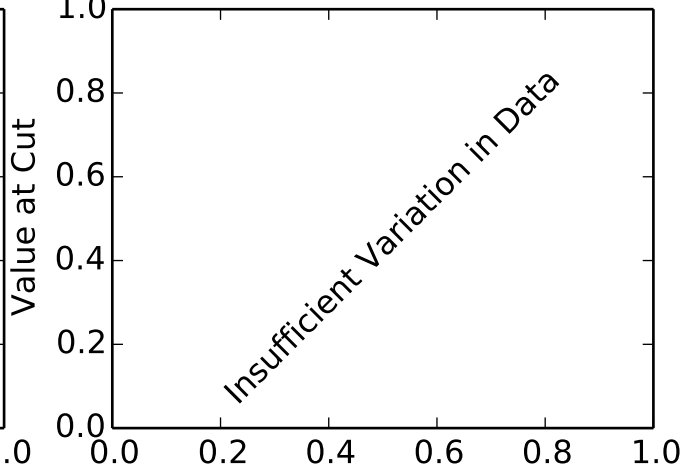
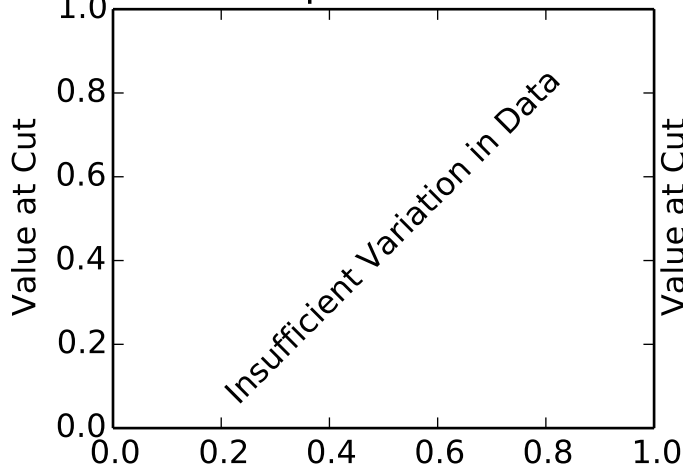
FX:::y



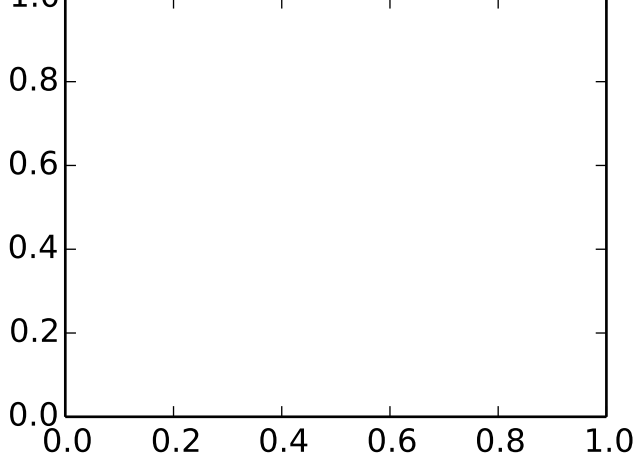
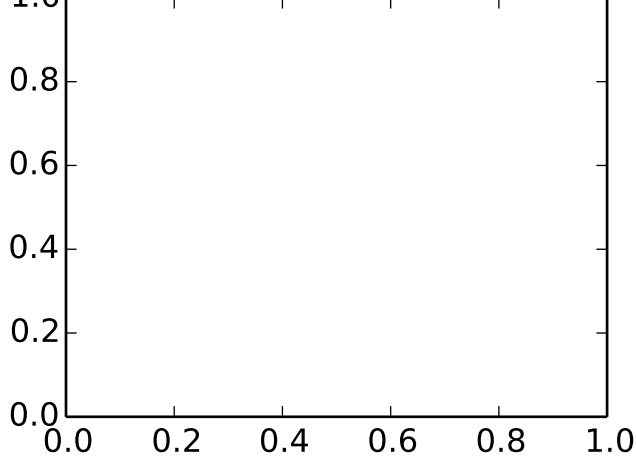


FX::Feature Space::Cost::Trade Duration::Pct of Volume: Cut

Space::Cost::Feature Space::Cost::Volume::Duration::Cut::Number of Lots::Volume::Size in Lots::Duration

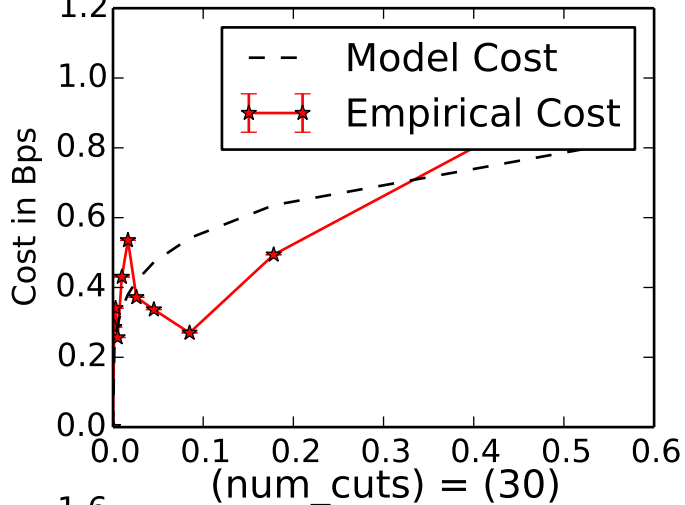


Space::Cost::Feature Space::Cost::Volume::Duration::Cut::Number of Lots::Volume::Size in Lots::Duration

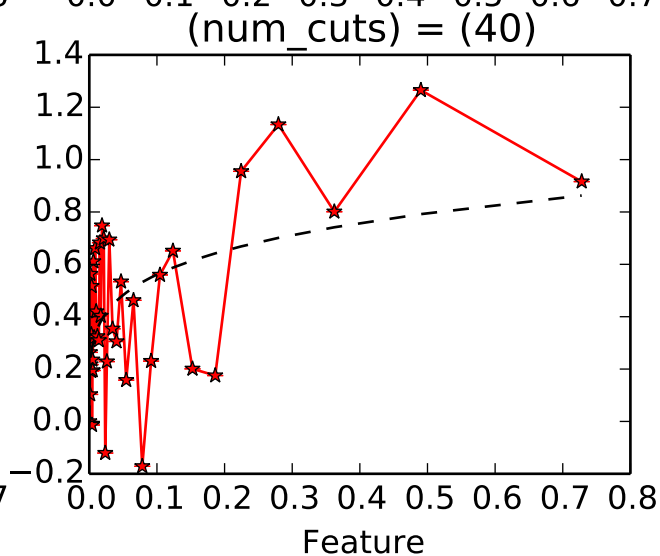
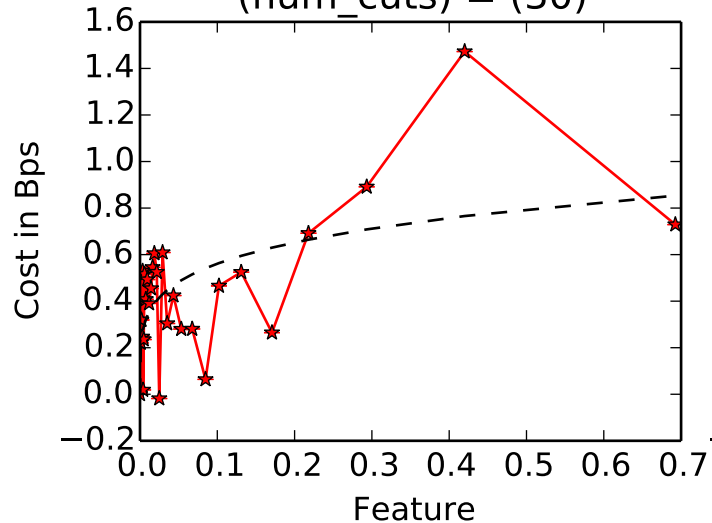
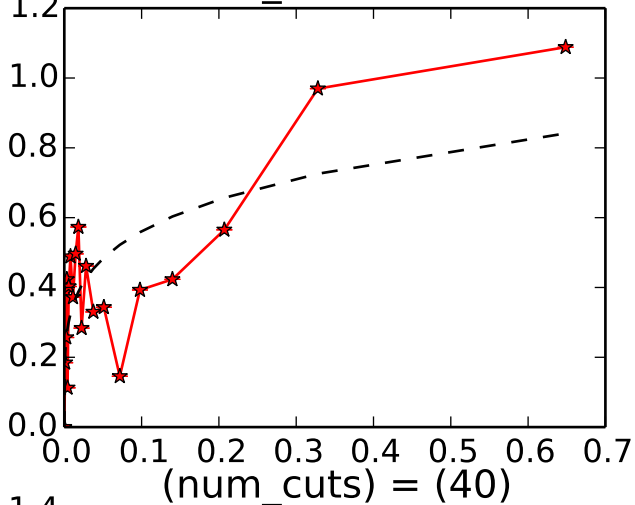




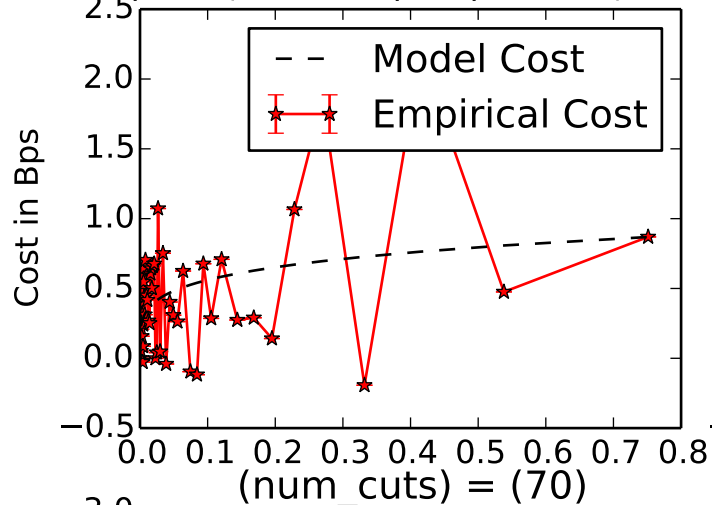
FX:: (Beta, Gamma) = (0.9242, 0.2169)



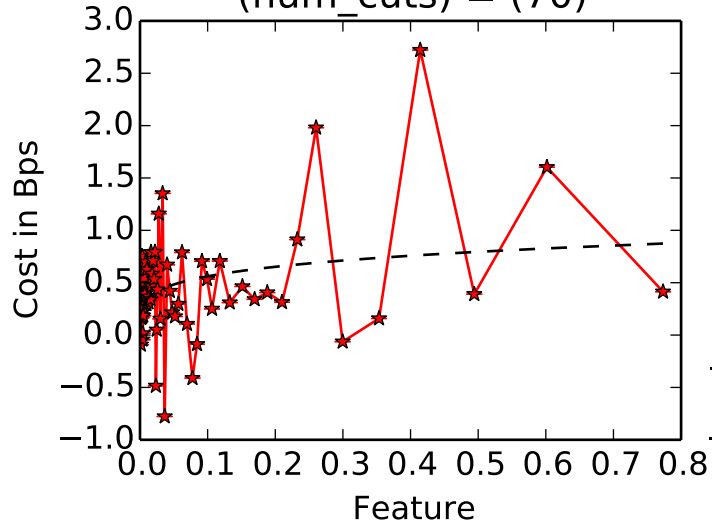
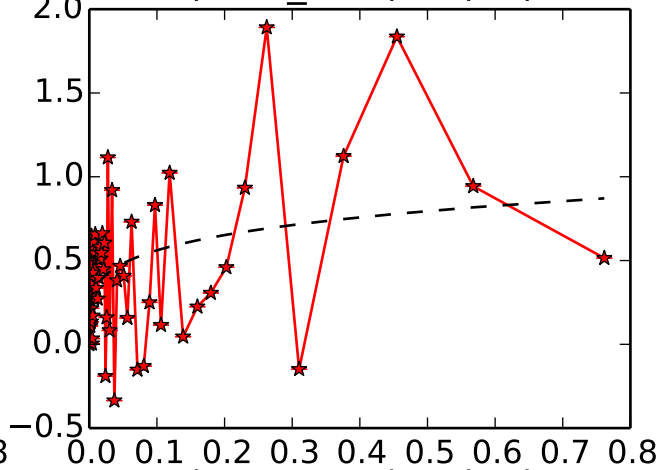
(num\_cuts) = (20)



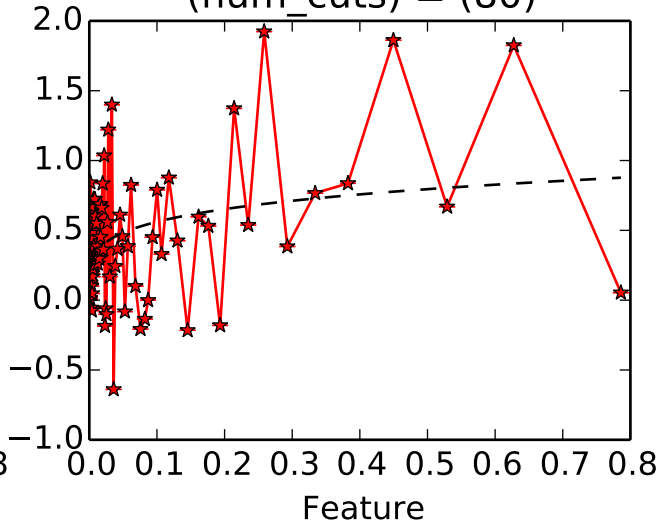
FX:: (Beta, Gamma) = (0.9242, 0.2169)



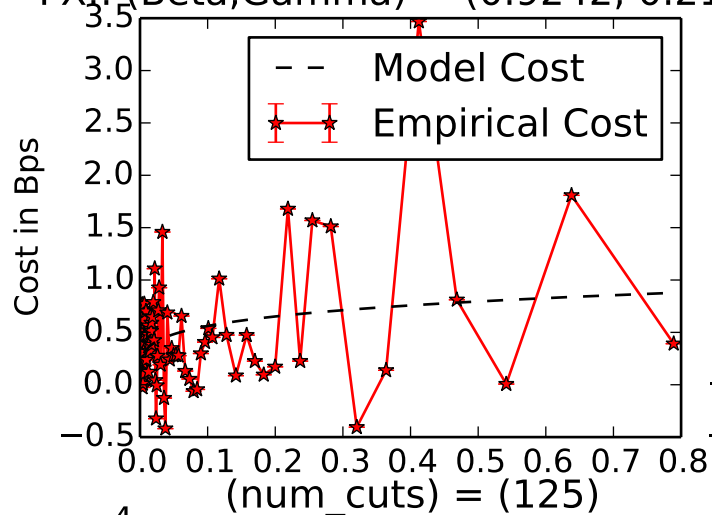
(num\_cuts) = (60)



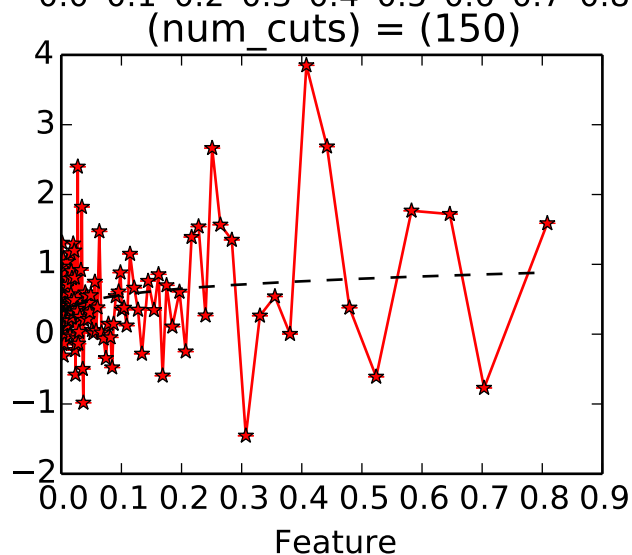
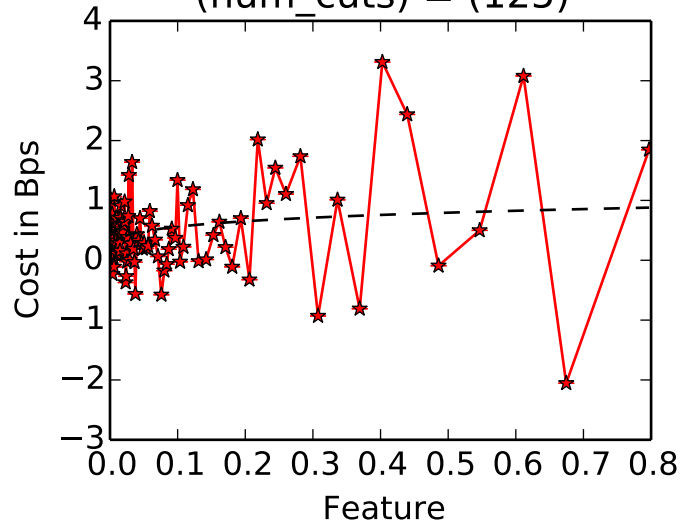
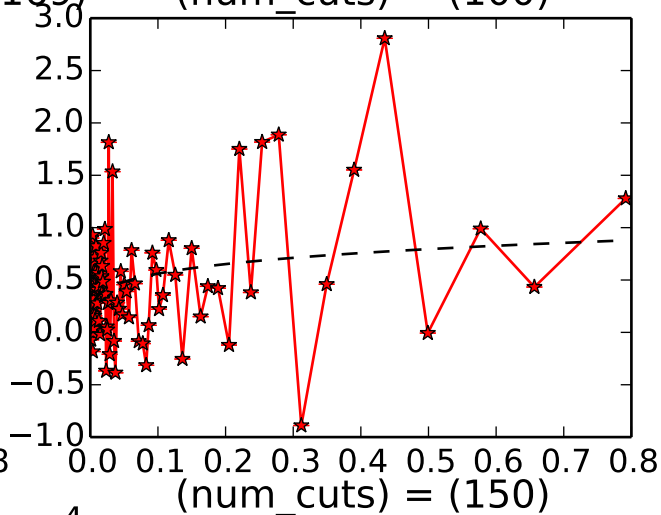
(num\_cuts) = (80)



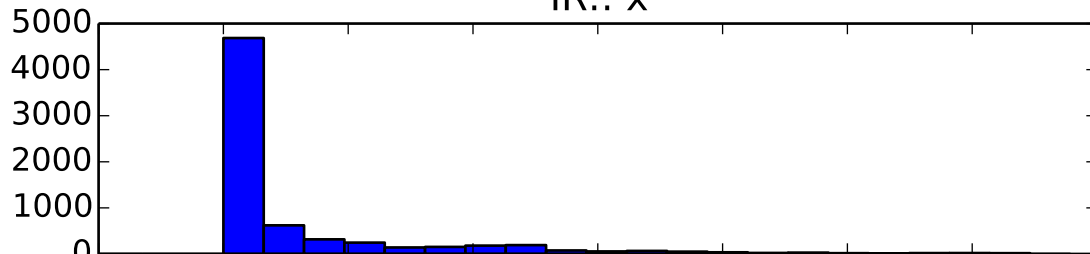
FX:: (Beta, Gamma) = (0.9242, 0.2169)



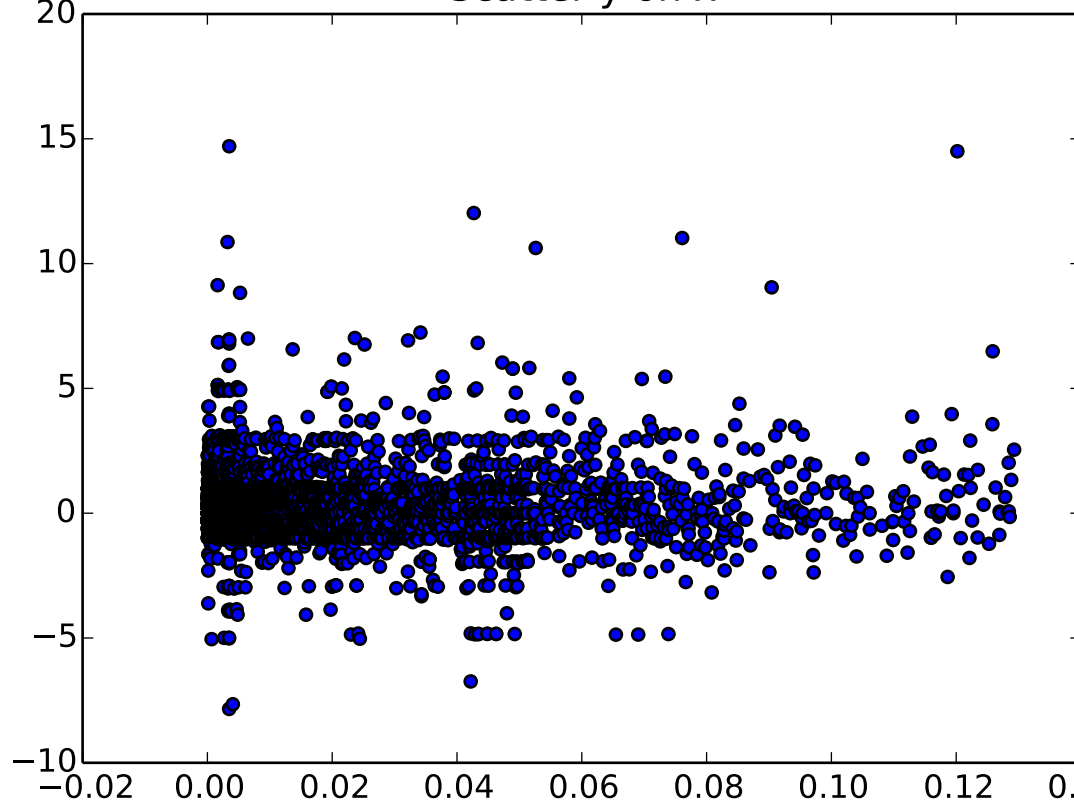
(num\_cuts) = (100)



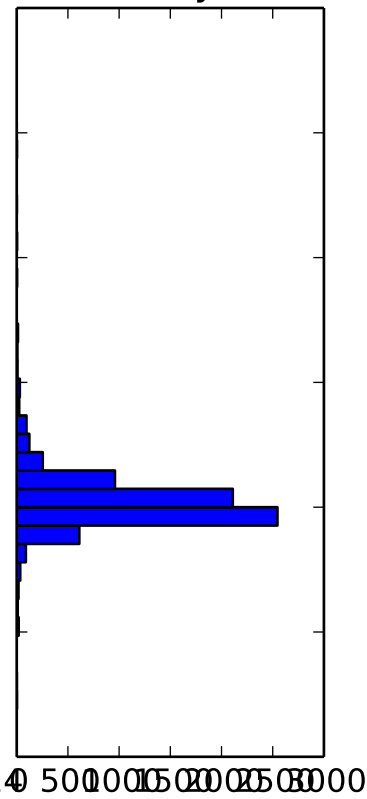
IR:: x

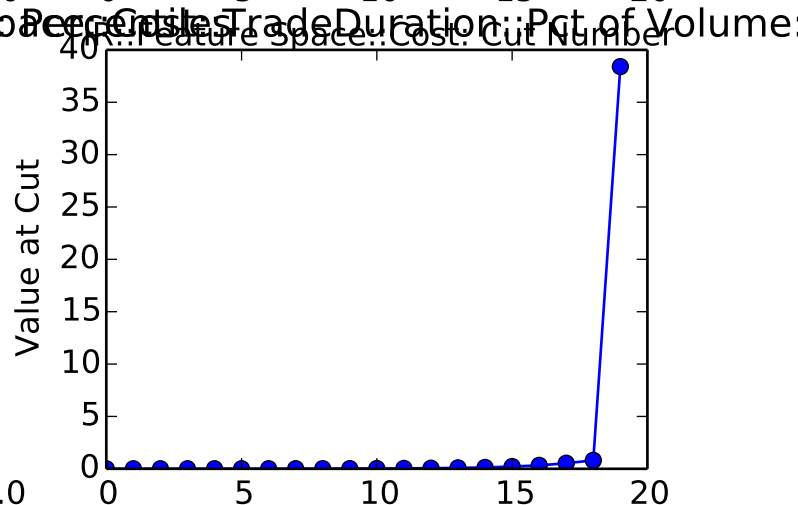
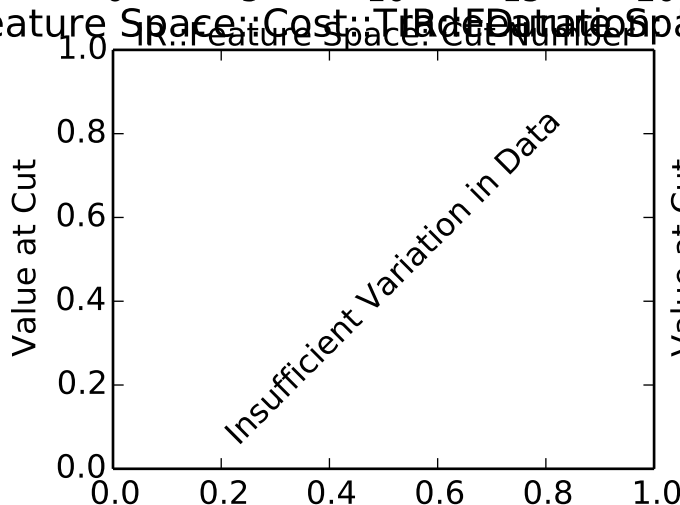
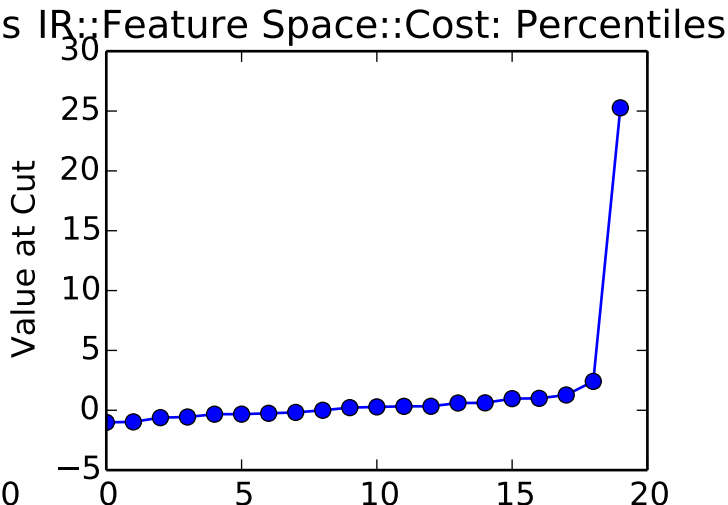
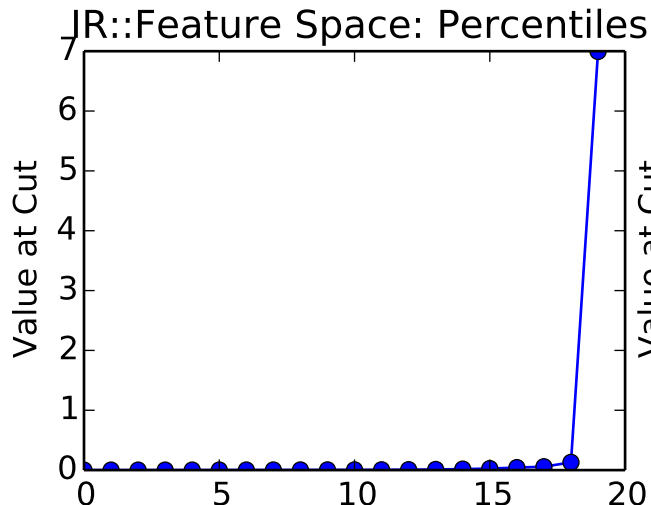


Scatter y on x



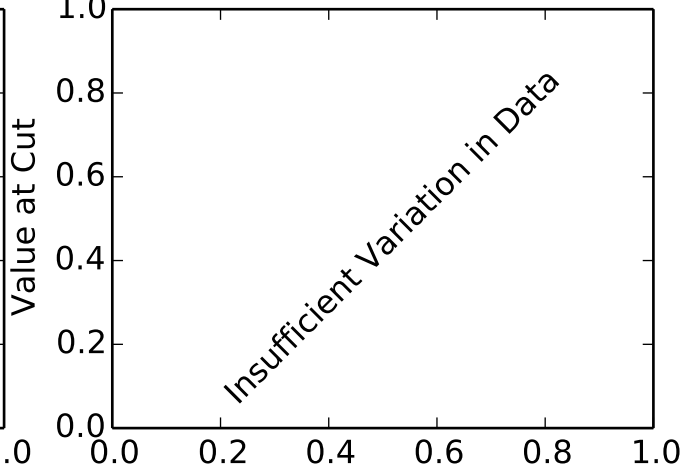
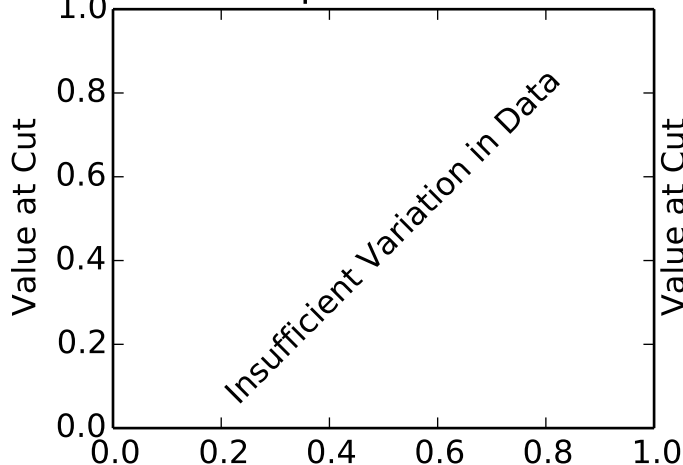
IR:: y



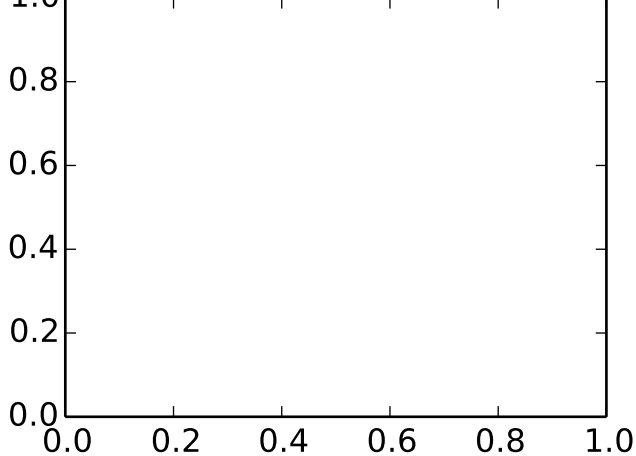
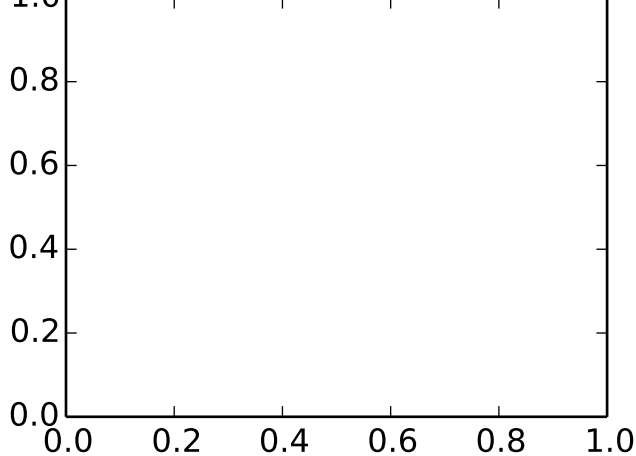


IR::Feature Space::Cost::TradeDuration::Pct of Volume: Cut

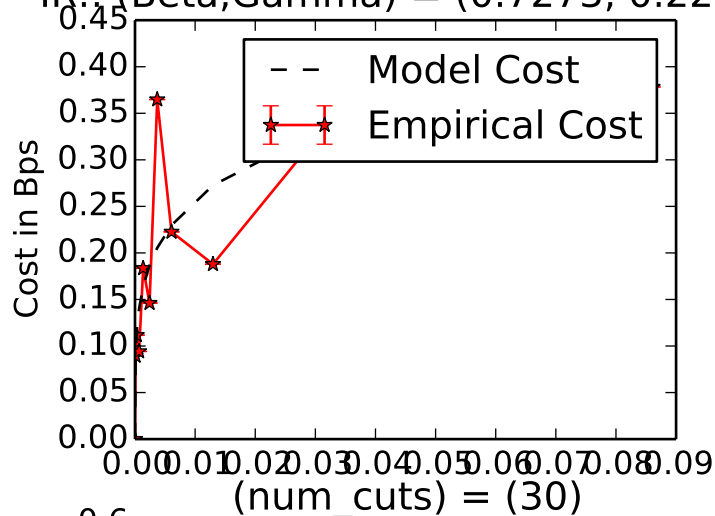
ce::Cost::Feature::Space::Cost::Volume::Duration::Cut::Volume::Size in Lots::Duration



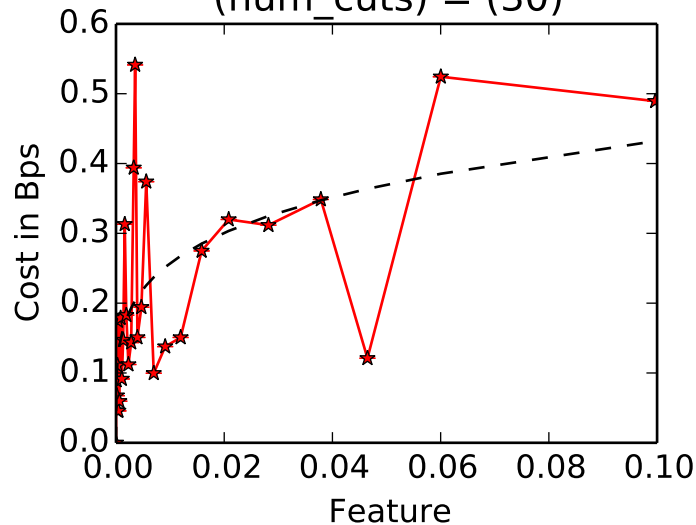
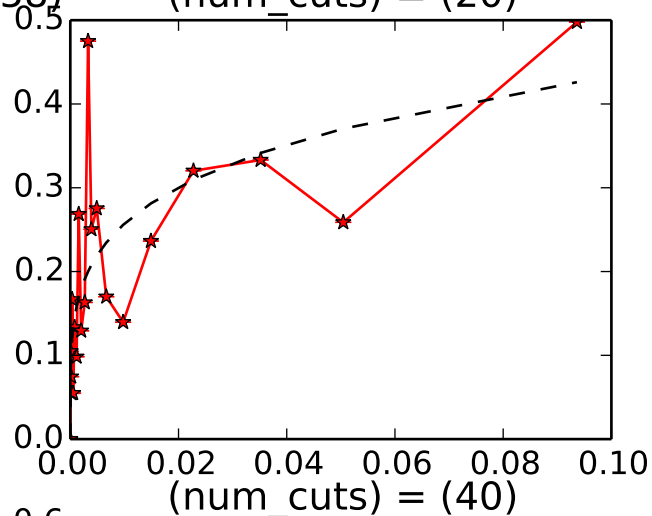
Space::Cost::Tradeoff::Feature::Space::Cost::Volume::Size::Duration::Cut::Volume::Size in Lots::Duration



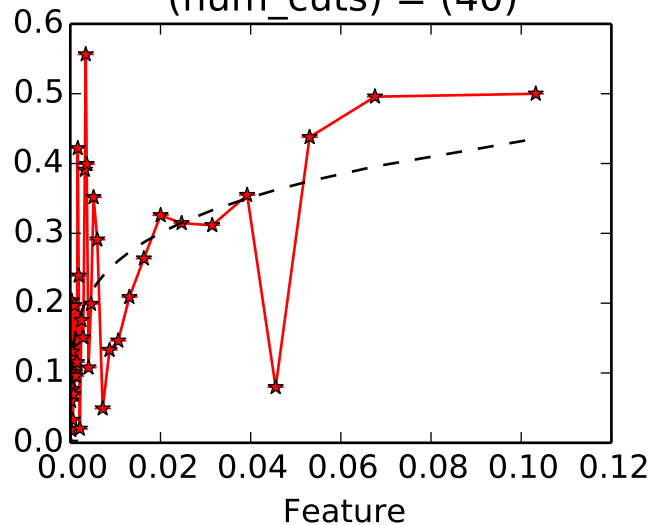
IR: (Beta, Gamma) = (0.7273, 0.2258)



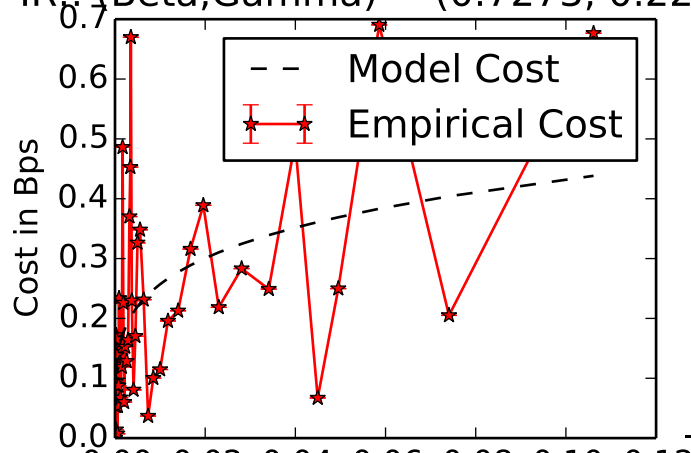
(num\_cuts) = (20)



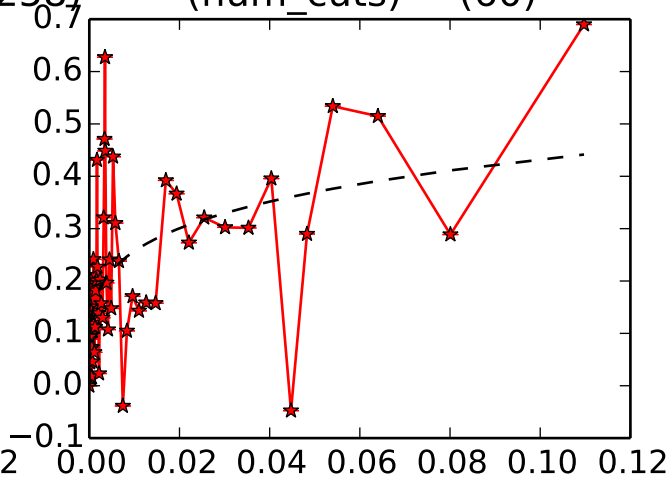
(num\_cuts) = (40)



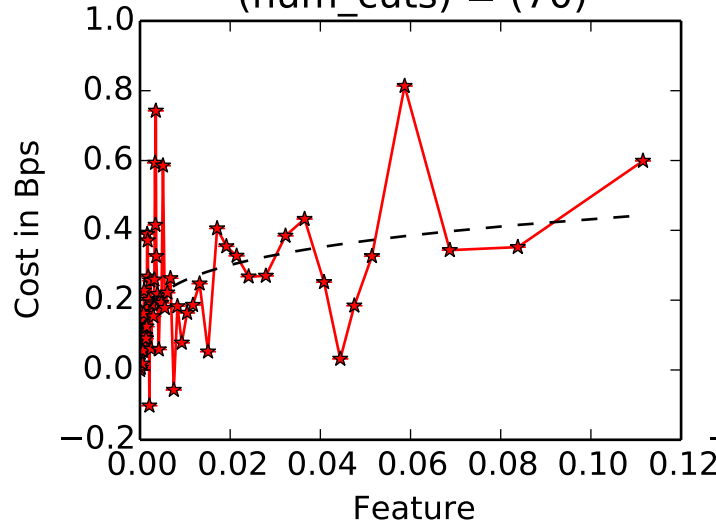
IR:: (Beta, Gamma) = (0.7273, 0.2258)



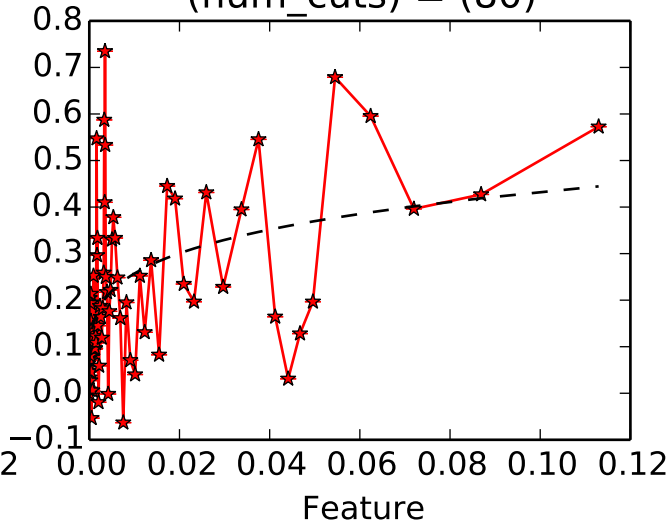
(num\_cuts) = (60)



(num\_cuts) = (70)

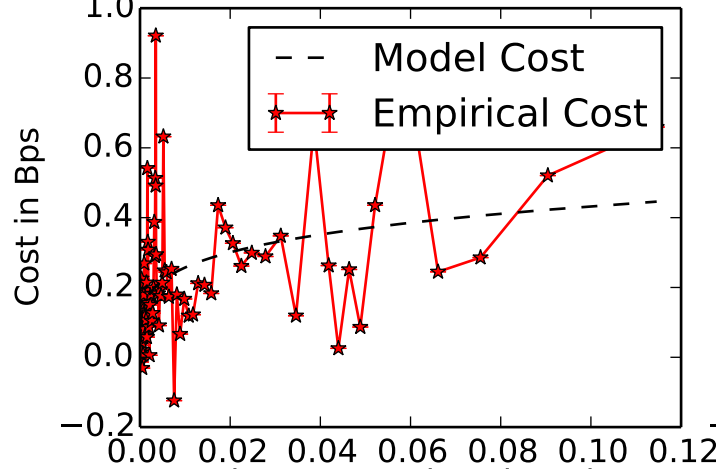


(num\_cuts) = (80)

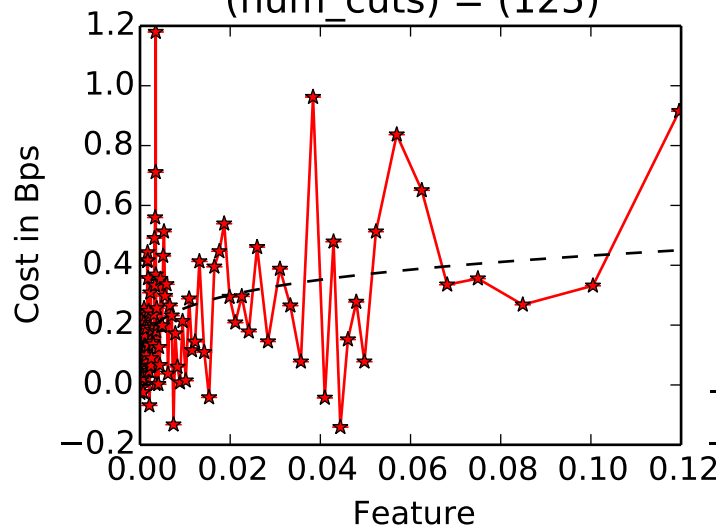
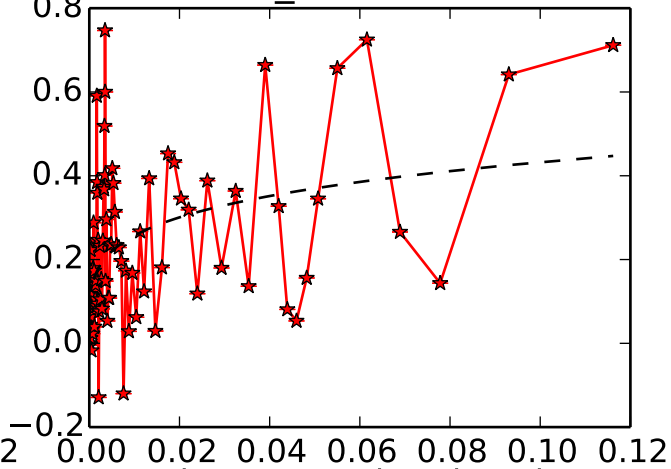




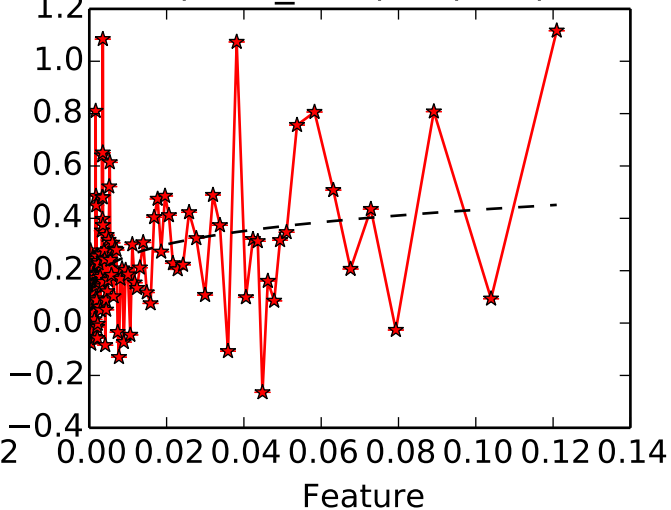
IR: (Beta, Gamma) = (0.7273, 0.2258)



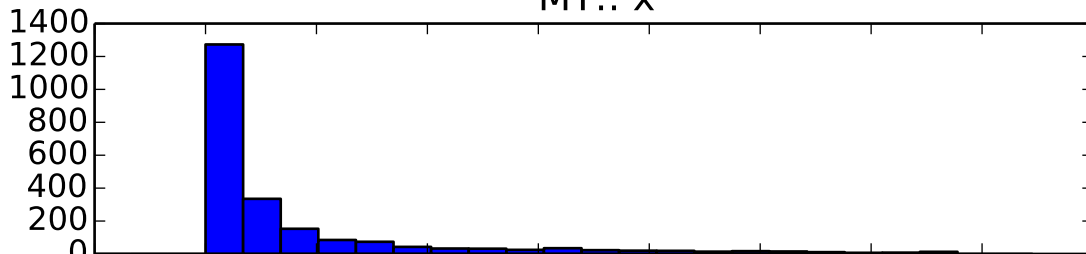
(num\_cuts) = (100)



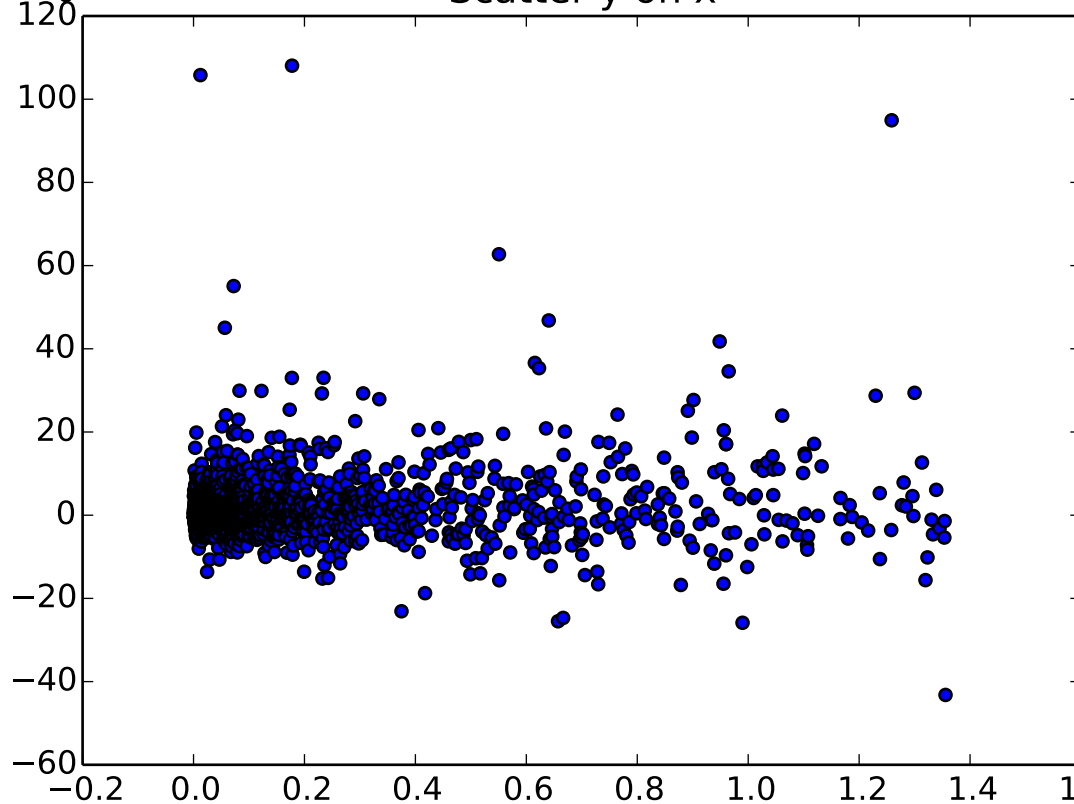
(num\_cuts) = (150)



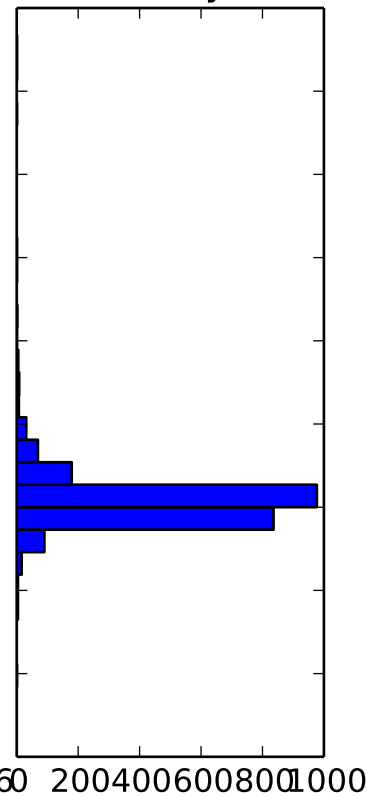
MT::x

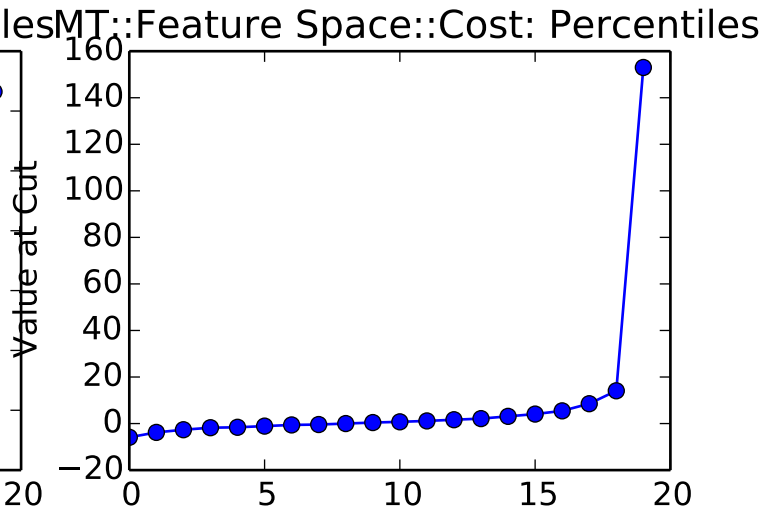
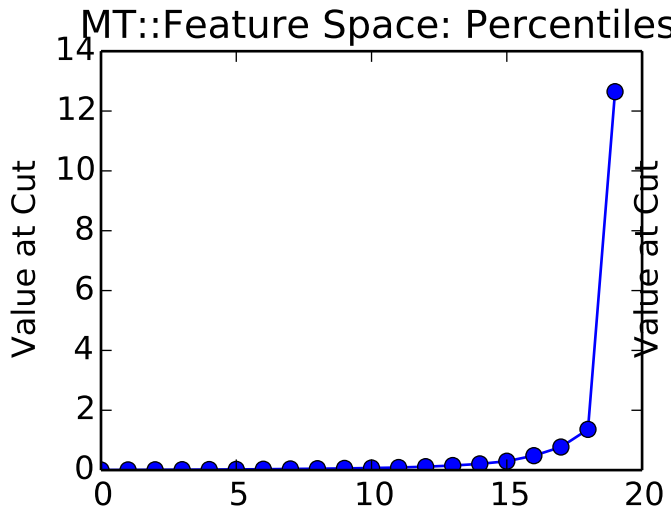


Scatter y on x

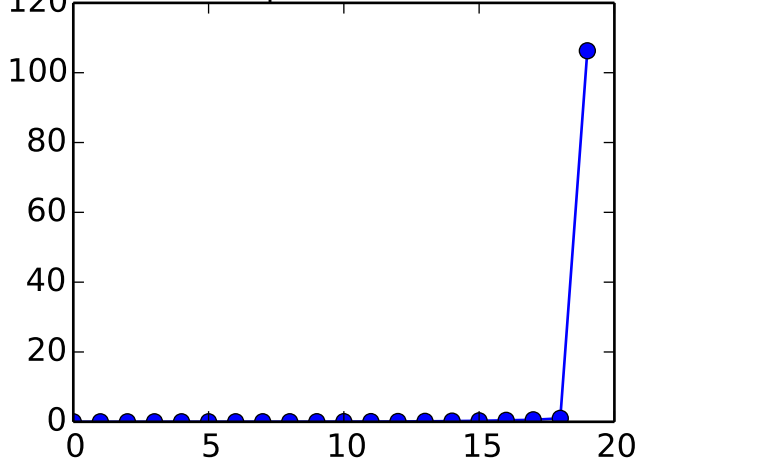
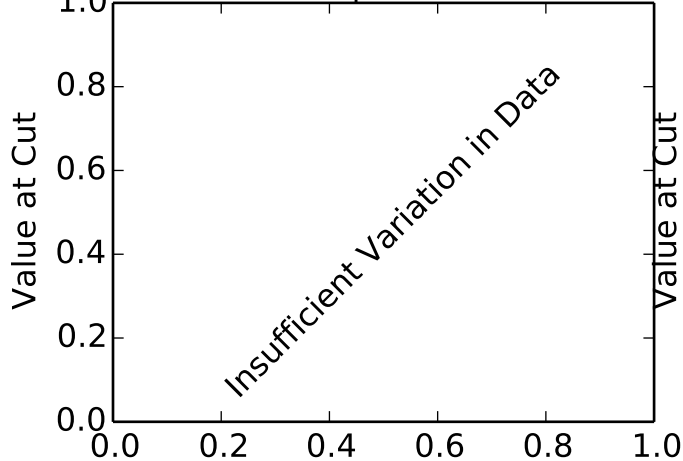


MT::y





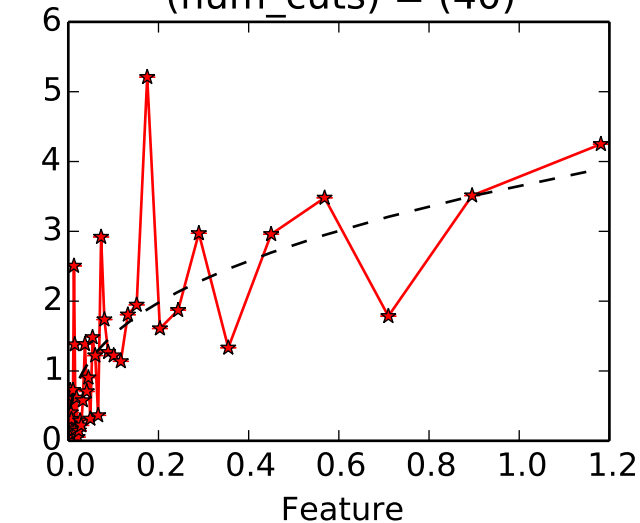
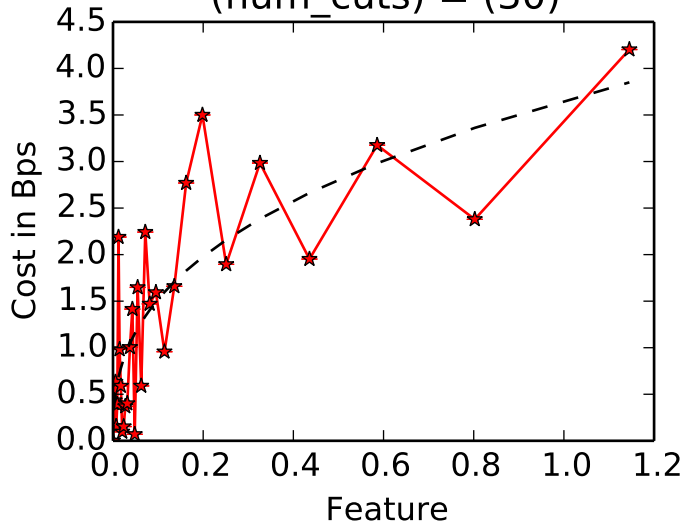
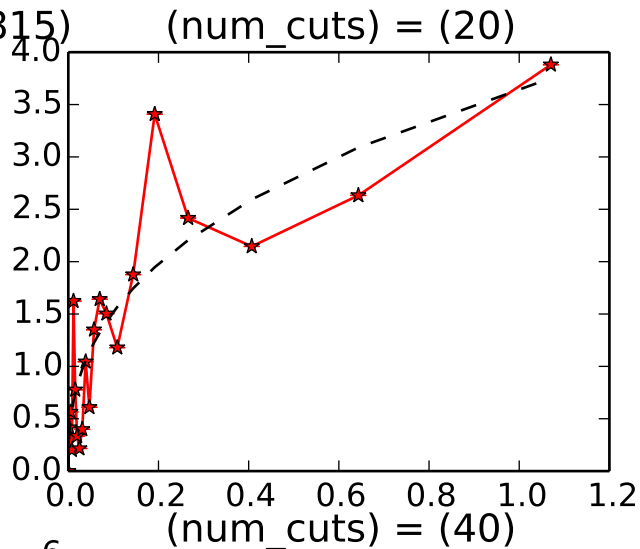
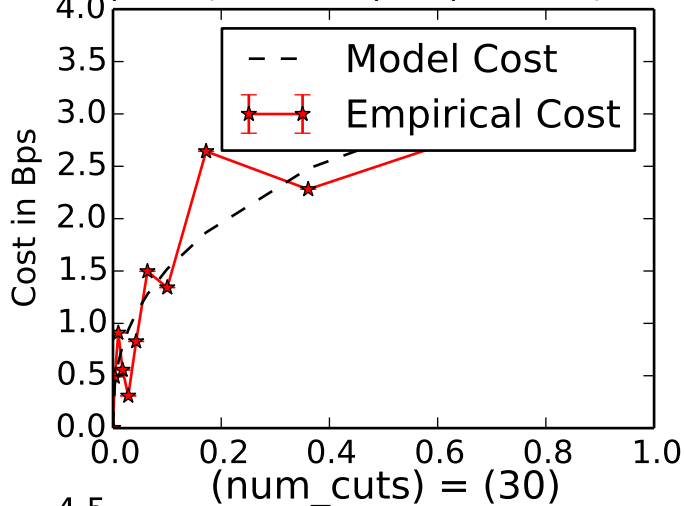
T::Feature Space: Cost: MT::Feature Space: Percentiles



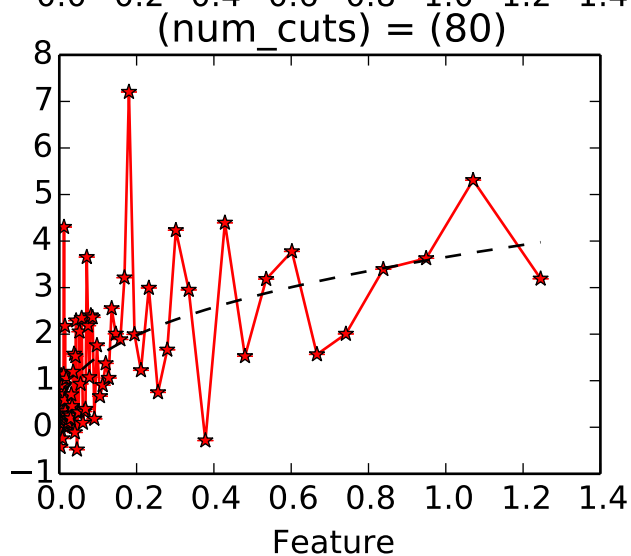
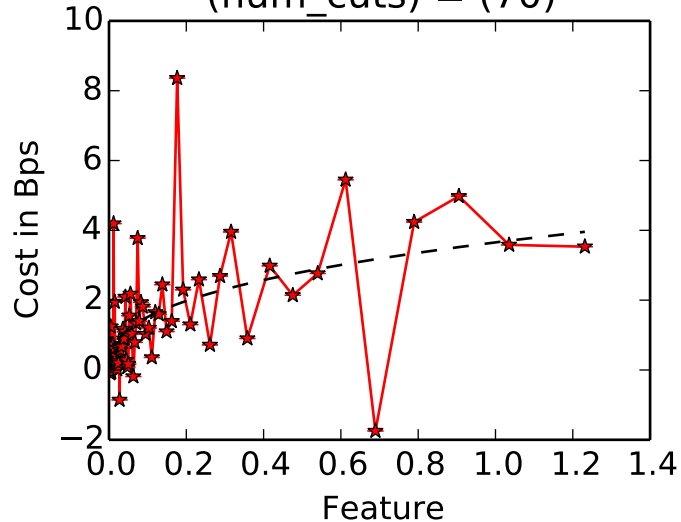
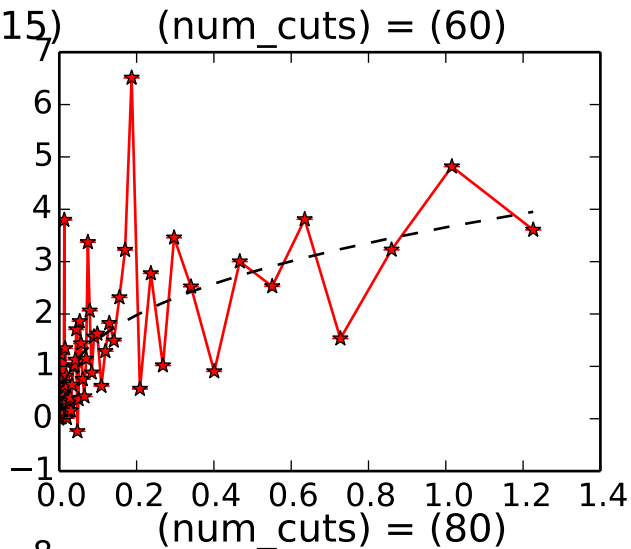
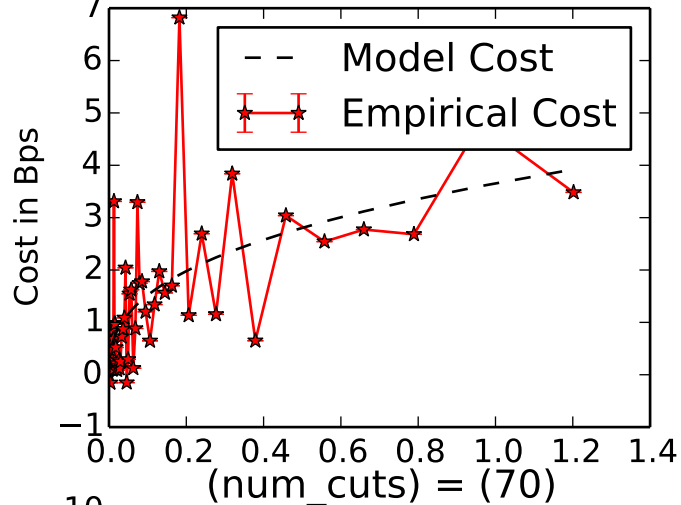
MT::Feature Space: Cost: TradeDuration::Pct of Volume: Cut

[illegible]

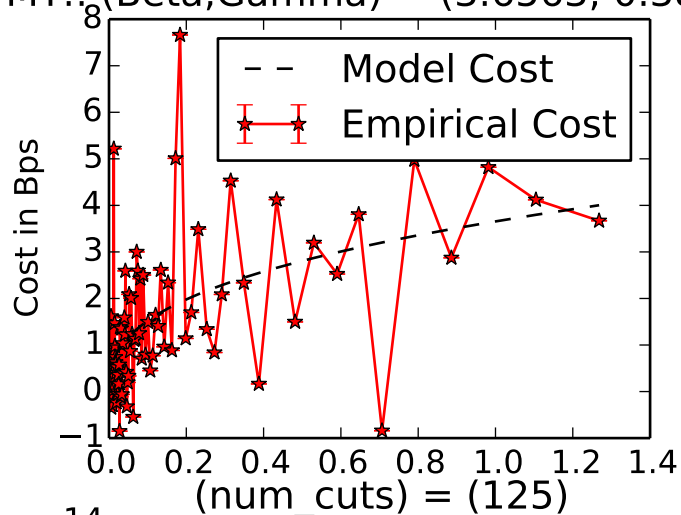
MT: (Beta, Gamma) = (3.6563, 0.3815)



MT:: (Beta, Gamma) = (3.6563, 0.3815)



MT:: (Beta, Gamma) = (3.6563, 0.3815)



(num\_cuts) = (100)

