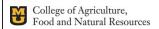
Margins Under A Modified DSA2011

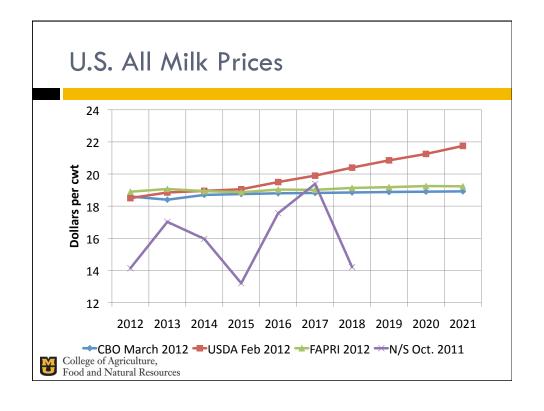
Dr. Scott Brown
University of Missouri
http://web.missouri.edu/~browndo

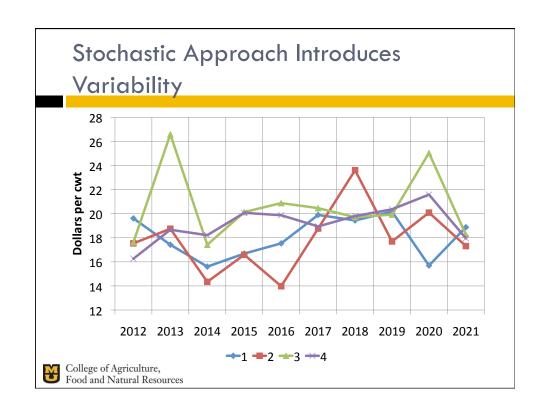
Discovering Prices and Managing Risk: Do We Need a Better Way? May 10 & 11, 2012 Salt Lake City, Utah

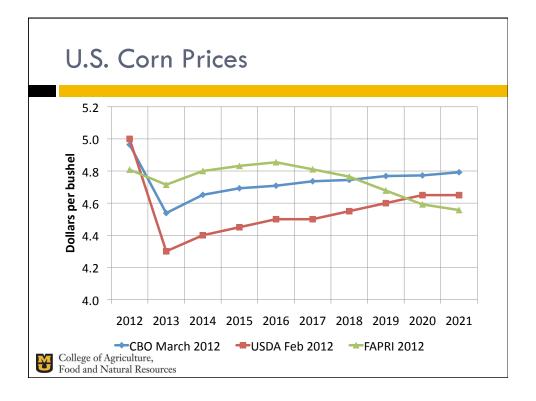
The Baseline Matters!

- ☐ This is the point of comparison when examining policy alternatives
- Baseline approaches are inherently becoming more complicated
- Protecting margins means baseline relationships among milk prices and feed costs are important
- □ EVERYONE'S baseline will be wrong!





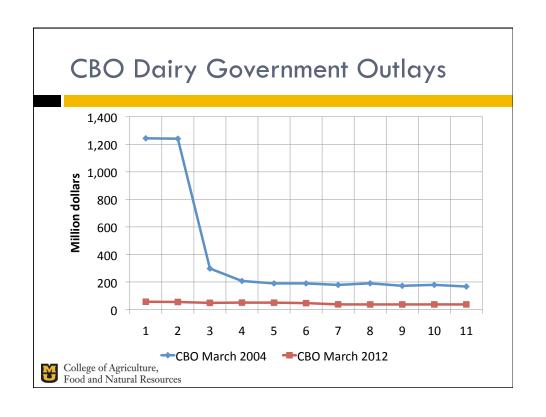


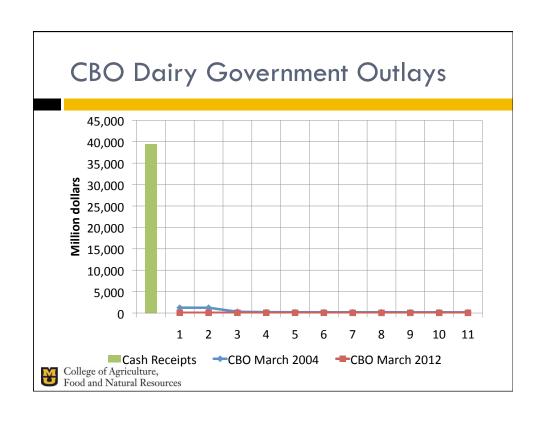


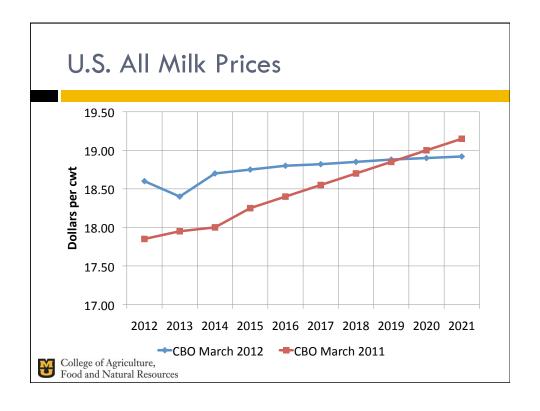
CBO Is The Official Scorekeeper Of The Cost of Farm Programs

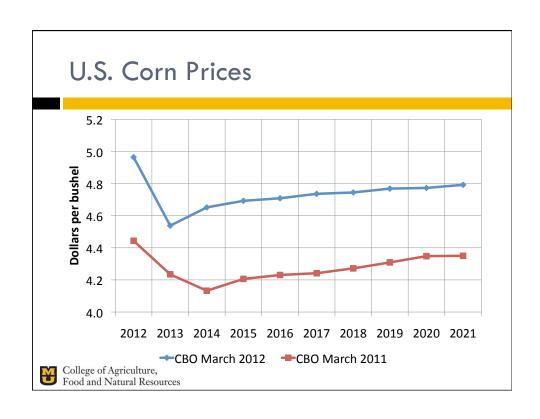
- ☐ Their annual baseline changes matter!
- □ It affects how program alternatives are scored
- □ Remember, it is expected outlays not actual outlays that drives the development process











"Correct" Milk/Feed Correlation in the **Baseline Important**

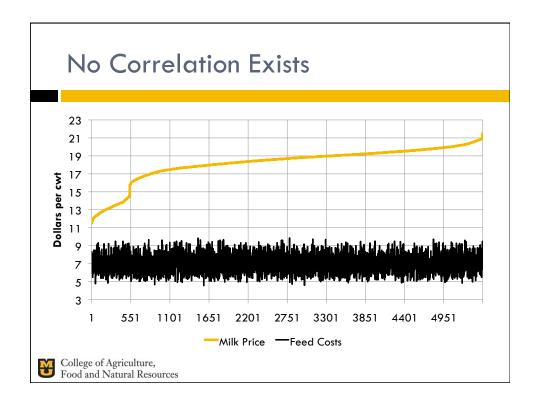
- □ Basic concept: The higher the correlation between milk price and feed costs implies less times a program triggered on the margin of the two operates
- ☐ This is NOT whether the model adjusts the supply side to changes in input and output prices correctly. That is a given for the models out there.
- □ What correlation does the baseline have between milk prices and feed costs?

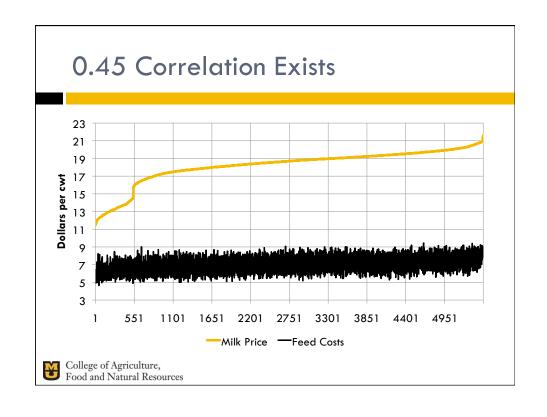
 College of Agriculture,
 Food and Natural Resources

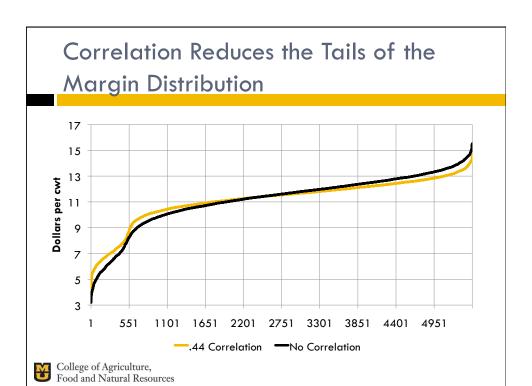
Simple Example

- ☐ This example is completely made up
- □ I want you to abstract from the issue at hand and think about the statistics
- □ Again, I am focused on the relationships between variables in their baseline outcomes



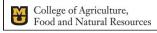


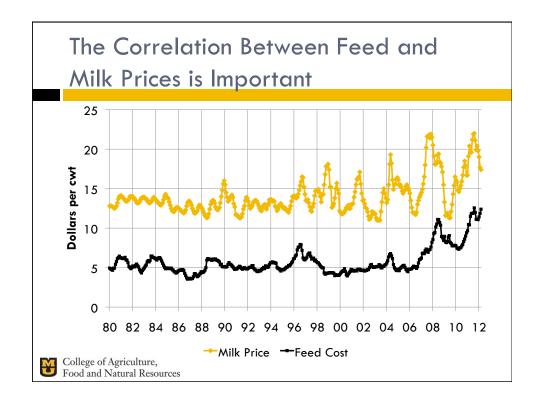


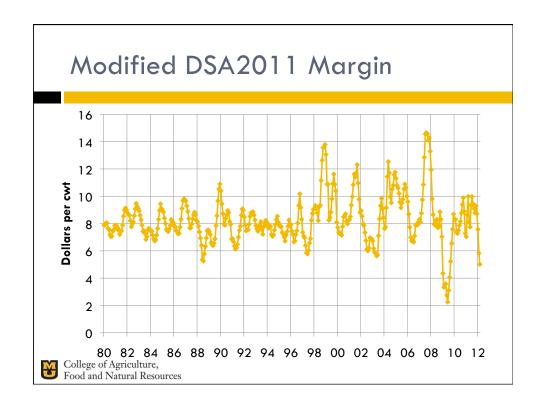


The Margin Distribution Narrows As The Correlation Rises

	correlated at 0.45	uncorrelated
AVG	11.19	11.19
MIN	3.92	3.19
MAX	14.61	15.53
% times below 6	1.27%	3.96%
% times below 5	0.13%	1.38%
% times below 4	0.02%	0.24%

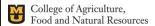


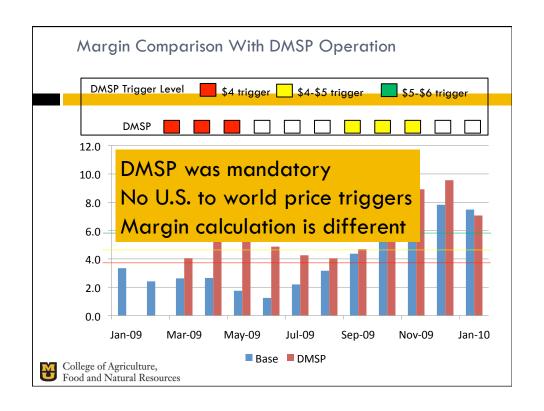




The Policy Continues To Change!

- □ Originally "Foundation for the Future"
- ☐ Then "Dairy Security Act of 2011"
- □ And Now "Modified Dairy Security Act"
- □ There could be more changes before it is over
- □ Old analysis is no longer valid





My Analysis of MDSA2011

- □ Many have formed impressions about the model I use
- ☐ There has been significant revisions to deal with analyzing this type of policy proposal
- Monthly margins are generated based on draws that relate monthly milk AND feed prices to annual outcomes
- □ I keep seeing that one problem with my results is they are annual only
- ☐ A model can't answer questions about MDSA2011 appropriately without the monthly component!



