

Some Practices that Can Make Your Commodity Related Supply Chain Job More Fun and Rewarding (\$\$\$)



Let automated tools do the work for you

It's 2023, SCM commodity tracking, indexing, and price analysis do not have to largely consist of manually driven spreadsheets.

Become recognized for your knowledge and insights that drive strategy, not for menial tactical work.

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Pricing Formula for Aluminum Parts

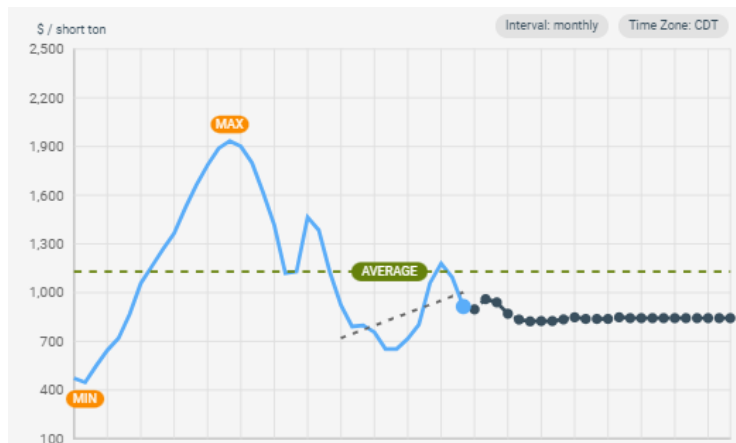
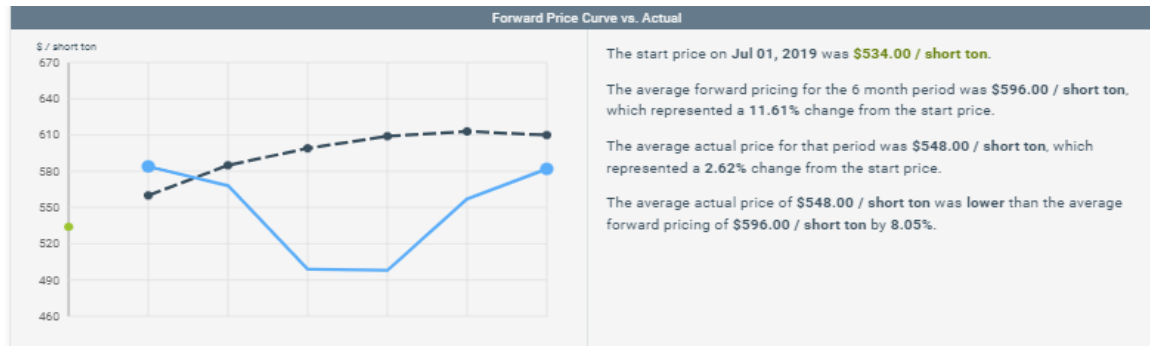
Pricing formula for parts manufactured using Aluminum purchased from multiple suppliers. Quarterly price for aluminum part, USD per unit, forecast available. Price is indexed using average of previous quarter's LME Aluminum with US Midwest Premium futures contracts closing prices. Forecasts available, updated on a monthly basis using published prices and price curves by the LME.

Description					
$P_n = W * (X_n / K * (1 - D) + C)$					
Name	Definition	Type	Value	Last Update	
P_n	Price	Calculated price for quarter n (USD / unit)	result		01/03/2022 2:21 PM
W	Weight		parameter		07/13/2023 4:25 PM
X_n	Trailing Quarter Average Price	Calculated for quarter n, average of trailing quarter's LME Aluminum with US Midwest Premium (USD / metric ton)	formula		01/03/2022 2:21 PM
K	Unit Conversion Factor	From metric ton to lb	constant	2204.62	01/03/2022 2:21 PM
D	Discount (%)		parameter		07/13/2023 4:25 PM
C	Value-Add Adjustment	Annually fixed value-add adjustment (USD / lb)	parameter		07/13/2023 4:25 PM

Parts								
Name	S/N	Price (P _n)	Price Change	Price Change (%)	Weight (W)	Discount (%) (D)	Value-Add Adjustment (C)	Last Update
Aluminum Part 1	ALP1001	\$5.545	-0.363	-6.14%	3.9204 lbs	4%	\$0.185	06/30/2023 11:00 PM
Aluminum Part 2	ALP1002	\$6.707	-0.434	-6.08%	4.6882 lbs	4%	\$0.201	06/30/2023 11:00 PM

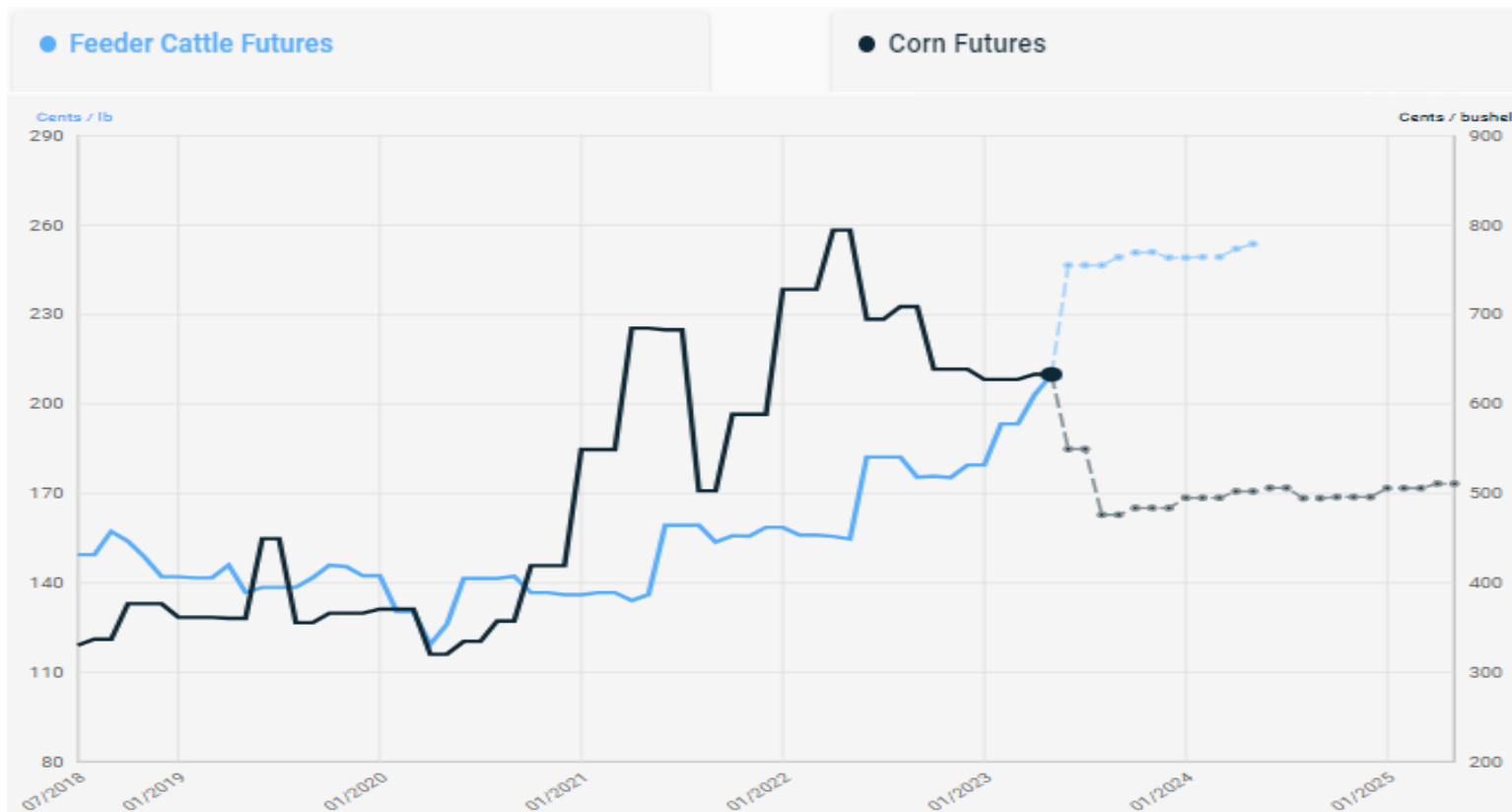
Always be ready to intelligently address C-suite questions like:

"How do you leverage data analytics in your forecasting process? Do you have techniques to measure the accuracy of your forecast? How often do you review your forecasts and adjust your plans accordingly?"



"What tools or software do you use to track price trends? How do you communicate changes in price trends to other departments or stakeholders?"

Communicate visual & insightful information by using interactive data tools



Present data to your org in a collaborative and understandable way. Your peers will appreciate and recognize you for making your understandable insights accessible to them.

Engage your team by incorporating dynamic charts, graphs, or dashboards. These tools can help your peers interact with the data & draw their own conclusions.

Solicit feedback and insights from others in your “community”

Establish yourself as a mentor and as someone that would like to be mentored (i.e., stay in touch w/ your professors & PLEASE fill out their research surveys).

Share key insights on social media (i.e., LinkedIn). In other words, secure future personal growth opportunities.

Update your LinkedIn profile, share your accomplishments, and engage with posts by others. A strong online presence can attract potential employers and open doors to new opportunities.



My team often utilizes oil forward price curves in our polymers (PP) purchase planning considerations. We understood the importance of understanding how accurate these forecasts are, and have recently started using analytics ...see more



Work smart and be effective. How?

Figure out what you need to track. Set up your tools to do the tracking for you.

Automate repetitive tasks where possible (i.e., buyer-supplier price indexing formulas). There are tools available that can help automate these tasks.

Use cloud-based tools for storage, collaboration, and processing. They often offer seamless integrations and allow you to work from anywhere (i.e., remote work/WLB).

Utilize data visualization tools to better understand & communicate complex data sets.

Add Alert

Set the alert parameters. The condition is evaluated using the end of day price. If triggered, email notification will be sent.

Delivery: Dec 23

Current Price: 828 \$ / short ton

Specific delivery

Threshold Type: Percent change

Percent Change (+/-): -10 %

Threshold Value: 745.2 \$ / short ton

Only Once Every Time

Cancel Create

We are doing our best to prepare students to thrive in today's economy by teaching everything on the previous slides.

Please share more ideas if you have them.

* All sample images in this presentation were taken from Materialx, a [N-Alpha](#) software service that we've been using in the WMU SCM program for training and research. We are always grateful to our supply chain technology partners. Thank you.

