R Shiny Projects  
  
Non Ferrous Pricing Explanation  
  
-My company is called National Salvage. We purchase scrap metals from suppliers, then we process/sell to **Purchasers**. Scrap Metals fall into 2 categories. Non-Ferrous & Ferrous (steel).

Non Ferrous has many different items that each require pricing. Our **Purchasers** give us daily pricing on what they will offer on each item.   
  
Here is the price list I get from my primary Purchaser every day.  
Table

Description automatically generated  
  
  
And here is the price list I get from my secondary Purchaser (once per week)  
Diagram

Description automatically generated

And finally we have our 3rd price listTable

Description automatically generated

All price lists are emailed to me in PDF format.  
  
  
As you can see, some items from each Price List are the same & directly comparable (ie: bare bright, #1, #2 copper), and some are slightly different (for example: #2 tech 25% vs #2 tech 35%). This might make it hard to compare these items so we might leave them off initially.   
  
 Below I have taken the Primary & Secondary Price Lists and lined up the directly comparable items.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Stainless Steel 304 Solids | 0.69 | 304 |  | 304 | 0.67 | 304 Stainless Steel |
| Stainless Steel 316 Solids | 1.25 | 316 |  | 316 | 1.34 | 316 Stainless Steel (Stamped) |
| Stainless Steel 304 Turnings | 0.51 | 304turn |  | 304turn | 0.46 | 304 Stainless Steel Turnings |
| Stainless Steel 316 Turnings | 0.99 | 316turn |  | 316turn | 0.96 | 316 Stainless Steel Turnings |
| Al Extrusion 1010 (No Turnings, Iron, Zinc or Plastic) | 1.13 | al1010 |  | al1010 | 1.03 | 6063 Painted Extrusions - 10/10 |
| Aluminum Alloy 5052 - No tube | 1.16 | al5052 |  | al5052 | 1.09 | 5052 Bare Solids |
| 6061 Aluminum Sheet/Plate/Clip | 0.97 | al6061pl |  | al6061pl | 0.94 | 6061 Bare Solids |
| Aluminum Extrusion NP - Clean/Bare 6063 | 1.33 | al6063 |  | al6063 | 1.2 | 6063 Extrusions Bare Mill Grade |
| Aluminum Cast (2% Max Fe) | 0.64 | alcast |  | alcast | 0.88 | Cast Aluminum |
| Aluminum EC / 1S Wire | 1.35 | alecw |  | alecw | 1.24 | EC Wire |
| Aluminum Litho | 1.21 | allitho |  | allitho | 1.14 | Litho Sheet |
| Aluminum Bare Mixed Low Copper | 0.88 | alnew |  | alnew | 0.94 | New Aluminum |
| Aluminum Old Sheet (Dense bales subj. to px change) | 0.78 | alold |  | alold | 0.88 | Old Aluminum |
| Aluminum Painted Siding | 0.87 | alsiding |  | alsiding | 0.89 | Painted Siding |
| Aluminum Extrusion w/ Thermal Break (NP) | 0.85 | althermo | | althermo | 0.68 | 6063 Thermal Extrusions |
| Aluminum Truck Rims | 0.83 | altruck |  | altruck | 0.96 | Truck Rims |
| Aluminum Clean Car Rims (packaged loads only\*\*) | 1.38 | alwheel |  | alwheel | 1.24 | Car Rims - Clean |
| Red Brass Solids | 3.46 | brred |  | brred | 3.58 | Red Brass |
| Red Brass Turnings | 3.39 | brredturn | | brredturn | 3.31 | Red Brass Turnings |
| Brass Honey/OYB (free of shell casings) | 3.15 | bryellow | | bryellow | 3.01 | Yellow Brass (Free of rubber, plastic, foam, steel, shells, grease) \*2-3% attached subject to $0.25/lb price reduction. |
| Brass Mixed Turnings | 2.8 | bryelturn | | bryelturn | 2.76 | Yellow Brass Turnings |
| Copper #1 (pipe & wire only) | 4.56 | cu1 |  | cu1 | 4.43 | #1 Copper Pipe & Wire |
| Copper #2 | 4.29 | cu2 |  | cu2 | 4.23 | #2 Copper Pipe & Wire |
| Copper #1 Bare Bright (wire only) | 4.63 | cubb |  | cubb | 4.48 | #1 Bright Copper Wire |
| Xmas Wire | 0.51 | icwxmas | | icwxmas | 0.56 | Xmas Light Wire |
| Aluminum Radiators | 0.75 | radal |  | radal | 0.79 | Aluminum Radiators |
| Aluminum Copper Radiators | 2.32 | radcual |  | radcual | 2.15 | Cu/AL Radiators |
| Auto Radiators | 2.8 | radcubr |  | radcubr | 2.86 | Cu/Br Radiators |

I don’t know enough about R Shiny capabilities to tell you exactly what I’d like to have. But at the very least, I would like to be able to upload the price list pdf’s, record pricing, & show who is paying more for each item (printable list for ABC & CMI)  
  
  
  
  
Notes: EDA/predictive capabilities? Correlating Comex and Exchange rate with pricing dataset, identifying distribution, anomalies, etc, possible?