Mdse\_item\_i-loc-week level (future data only)

Final schema: mdse\_item\_i, loc, week, baseprice, price, promo\_price

Data exists in prd\_price\_ent.selling\_rtl\_schema

1. Use prd\_price\_ent.selling\_rtl\_schema for price data, where available.
2. Only use reg\_retail and current\_retail.
3. For each mdse\_item\_i-loc-future-day combination, check to see if reg\_retail <= 0 for the future period. If it is true, then for the same date, find other stores that have reg\_retail > 0. Take the median of these values and substitute for the poor value of reg\_retail.
4. Do same step as 3) but use current\_retail instead.
5. To get baseprice, use cleaned reg\_retail price. When it is NULL, use the last good value and carry forward.
6. To get price, use cleaned current\_retail and reg\_retail price. If current\_retail is missing and was not populated previously, use reg\_retail. Once current\_retail is populated, use current\_retail for all price.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| expr\_d | eff\_d | p\_act\_v | reg retail | current retail |
| 5/29/17 | 10/1/15 | N | 6.99 | NULL |
| 6/29/17 | 5/30/17 | N | NULL | 3.48 |
| 12/31/99 | 6/30/17 | Y | NULL | 2.08 |

Final baseprice should be 6.99 from 10/1/2015 - present, price should be 6.99 from 5/29/2017-10/1/2015, 3.48 from 5/30/2017 – 6/29/2017, and 2.08 from 6/3/2017 to the present.

1. To aggregate to week level, take average of baseprice and current retail price at mdse\_item\_i-loc-day level up to the mdse\_item\_i-loc-week level
2. For now, promo\_price = price (this belongs to Promo Captain)

If data doesn’t exist in prd\_price\_ent.selling\_retl\_schema, using past daily data, find median values of own\_retl\_a and most recent weighted customer\_price\_paid for price and carry forward to the future.

CHECKS: No price should be NULL or non-negative.

Mdse\_item\_i-chain-week level (future data only)

Final schema: mdse\_item\_i, week, med\_baseprice, avg\_baseprice, med\_price, avg\_price, promo\_price

Using mdse\_item\_i-loc-week dataset, use the baseprice and price fields to calculate chain level baseprices and price. Using straight average to get averages. For now, promo\_price = avg\_price (this belongs to Promo Captain)

CHECKS: No price should be NULL or non-negative.