

This document outlines the data validation on Amazon.Listings and Amazon.Customer_Order_Metrics datasets for Sprint 5.

The data validation is done between data points from Amazon dashboard currently used by Payability and the dashboard created by our team.

Validation for Inventory Value for a seller:

Date created = Open_date on Listings table

Status = Status on Listings table

Price and shipping cost = Average_price (calculated; this reflects the total amount including the shipping charge)

Seller id: **d3727236-53ab-45fc-81a2-bba077c33074**

Total products displayed on UI = 362

Total records through query = 1249; 627 distinct ASIN values (Date Range: all)

[Results excel link here](#)

Active Listings:

<input type="checkbox"/> Active		6N-DENIM-LTBLUE-QN-FL New	LuxClub 4 PC Sheet Set Sheets Deep Pockets 18" Eco Friendly Wrinkle Free Sheets Machine Washable Hotel Bedding Silky Soft - Light Blue Queen B0727YNVVB	01/03/2019 12:05:16 08/06/2021 23:22:33	3664	\$12.57 Includes \$7.33 FBA Fee	\$ 34.95 + \$0.00 Featured Offer: \$34.95 + \$0.00 ✓ Lowest price
<input type="checkbox"/> Active		6N-BUTTER-QN-FL New	LuxClub 6 PC Sheet Set Bamboo Sheets Deep Pockets 18" Eco Friendly Wrinkle Free Sheets Machine Washable Hotel Bedding Silky Soft - Butter Queen B071HJ7PKF	01/03/2019 10:02:08 01/27/2021 12:35:18	2331	\$12.73 Includes \$7.49 FBA Fee	\$ 34.95 + \$0.00 Featured Offer: \$34.95 + \$0.00 ✓ Lowest price
<input type="checkbox"/> Active		6N-DENIM-LTBLUE-KG-FL New	LuxClub 4 PC Sheet Set Sheets Deep Pockets 18" Eco Friendly Wrinkle Free Sheets Machine Washable Hotel Bedding Silky Soft - Light Blue King B0725CVG19	01/03/2019 12:05:31 01/03/2022 15:06:07	1705	\$13.34 Includes \$7.65 FBA Fee	\$ 37.95 + \$0.00 Featured Offer: \$37.95 + \$0.00 ✓ Lowest price

ASIN: B0727YNVVB

A	B	C	D	E	F	G	H	I	J
1	open_date	asin	total_listings	Active_listings	Inactive_listings	avg_Quantity	avg_Price	Inventory_Value	Comments
39	2023-02-23	B0727YNVVB	5	5	0	0	31.45	0	
396	2021-02-02	B0727YNVVB	29	9	20	622.0689655	39.95	24851.65517	
740	2019-01-03	B0727YNVVB	29	29	0	0	34.95	0	PRICE INCLUDES FBA FEE (12.73 + 7.49)

mp_sup_key: d3727236-53ab-45fc-... (1) ▾

status: Active (1) ▾	open_date: Jan 3, 2019 (1) ▾	ASIN: B0727YNVVB (1) ▾					
Status ▾	ASIN	Date Created	SKU	Available	Price	Inventory Value	
1.	Active	B0727YNVVB	Jan 3, 2019	6N-DENIM-LTBLUE-QN-FL	0	34.95	0

Able to match the listing with data in the table and results of query on my dashboard.

The price and listing status match but not the quantity. Is this an issue with how I am calculating quantity?

ASIN: B071HJ7PKF

	A	C	D	E	F	G	H	I
1	open_date	asin	total_listings	Active_listings	Inactive_listings	avg_Quantity	avg_Price	Inventory_Value
117	2023-01-19	B071HJ7PKF	10	10	0	0	31.45	0
767	2019-01-03	B071HJ7PKF	29	29	0	0	34.95	0
1098	2018-04-24	B071HJ7PKF	29	0	29	583.862069	39.95	23325.28966

mp_sup_key: d3727236-53ab-45fc-... (1) ▾

status: Active (1) ▾

open_date: Jan 3, 2019 (1) ▾

ASIN: B071HJ7PKF (1) ▾

	Status	ASIN	Date Created	SKU	Available	Price	Inventory Value
1.	Active	B071HJ7PKF	Jan 3, 2019	6N-BUTTER-QN-FL	0	34.95	0

Same issue with quantity for this product listing. Price is correct.

ASIN: B0725CVG19

	A	C	D	E	F	G	H	I
1	open_date	asin	total_listings	Active_listings	Inactive_listings	avg_Quantity	avg_Price	Inventory_Value
397	2021-02-02	B0725CVG19	29	9	20	628.7931034	42.95	27006.66379
761	2019-01-03	B0725CVG19	29	29	0	0	37.95	0

The total_listings value I think is the number of duplicate records that exist for this one particular listing_id.

mp_sup_key: d3727236-53ab-45fc-... (1) ▾

status: Active (1) ▾

open_date: Jan 3, 2019 (1) ▾

ASIN: B0725CVG19 (1) ▾

	Status	ASIN	Date Created	SKU	Available	Price	Inventory Value
1.	Active	B0725CVG19	Jan 3, 2019	6N-DENIM-LTBLUE-KG-FL	0	37.95	0

Same issue with quantity. Price is correct.

Inactive Listings:

<input type="checkbox"/> Listing Removed		LUXBAMBOO-6PC-ATJ-SANDSTONE-QN-FL-FBM	LuxClub 6 PC Sheet Set Bamboo Sheets Deep Pockets 18 Eco Friendly Wrinkle Free Sheets Machine Washable Hotel Bedding Silky Soft - Sand stone Queen B0725CWQ4T	04/24/2018 13:42:40	-	- + -- Migrated Template Featured Offer: -- Lowest price: --
<input type="checkbox"/> Listing Removed		LUXBAMBOO-6PC-ATJ-SANDSTONE-KG-FL-FBM	6 PC LuxClub Bamboo Sheet Set w/ 18 inch Deep Pockets - Eco Friendly, Wrinkle Free, Hypoallergenic, Antibacterial, Fade Resistant, Silky, Stronger & Softer than Cotton - Sand Stone King B07196CDQJ	01/30/2019 13:51:40	-	- + -- Migrated Template Featured Offer: -- Lowest price: --
<input type="checkbox"/> Listing Removed		LUXBAMBOO-6PC-ATJ-SANDSTONE-KG-FL	6 PC LuxClub Bamboo Sheet Set w/ 18 inch Deep Pockets - Eco Friendly, Wrinkle Free, Hypoallergenic, Antibacterial, Fade Resistant, Silky, Stronger & Softer than Cotton - Sand Stone King B07196CDQJ	01/30/2019 13:51:38	-	- + -- Migrated Template Featured Offer: -- Lowest price: --
<input type="checkbox"/> Listing Removed		LUXBAMBOO-6PC-ATJ-SANDSTONE-FU-FL-FBM	LuxClub 6 PC Sheet Set Bamboo Sheets Deep Pockets 18 Eco Friendly Wrinkle Free Sheets Machine Washable Hotel Bedding Silky Soft - Sand stone Full B0714126PT	04/24/2018 13:42:32	-	- + -- Migrated Template Featured Offer: -- Lowest price: --
<input type="checkbox"/> Listing Removed		6N-FORRESTGRN-CAL-FL	LuxClub 6 PC Sheet Set Bamboo Sheets Deep Pockets 18" Eco Friendly Wrinkle Free Sheets Machine Washable Hotel Bedding Silky Soft - Forrest Green California King B071DXMCLV	05/29/2019 09:01:13	-	- + -- Migrated Template Featured Offer: -- Lowest price: --

ASIN: B0725CWQ4T

	A	C	D	E	F	G	H	I
1	open_date	asin	total_listings	Active_listings	Inactive_listings	avg_Quantity	avg_Price	Inventory_Value
1122	2018-04-24	B0725CWQ4T	28	0	28	0	39.95	0
1251								

mp_sup_key: d3727236-53ab-45fc-... (1) ▾ status: Inactive (1) ▾ open_date: Apr 24, 2018 (1) ▾ ASIN: B0725CWQ4T (1) ▾

Status	ASIN	Date Created	SKU	Available	Price	Inventory Value
1. Inactive	B0725CWQ4T	Apr 24, 2018	LUXBAMBOO-6PC-ATJ-SANDSTONE-QN-FL-FBM	0	39.95	0

ASIN: B07196CDQJ

	A	C	D	E	F	G	H	I
1	open_date	asin	total_listings	Active_listings	Inactive_listings	avg_Quantity	avg_Price	Inventory_Value
730	2019-01-30	B07196CDQJ	28	0	28	0	37.95	0
731	2019-01-30	B07196CDQJ	28	0	28	0	42.95	0

mp_sup_key: d3727236-53ab-45fc-... (1) ▾ status: Inactive (1) ▾ open_date (1) ▾ ASIN: B07196CDQJ (1) ▾

Status	ASIN	Date Created	SKU	Available	Price	Inventory Value
1. Inactive	B07196CDQJ	Jan 30, 2019	LUXBAMBOO-6PC-ATJ-SANDSTONE-KG-FL	0	37.95	0
2. Inactive	B07196CDQJ	Jan 30, 2019	LUXBAMBOO-6PC-ATJ-SANDSTONE-KG-FL-FBM	0	42.95	0

There are two inactive listings so this looks correct. Why do inactive listings not have a price on the UI?

ASIN: B071DXMCLV

A	C	D	E	F	G	H	I
open_date	asin	total_listings	Active_listings	Inactive_listings	avg_Quantity	avg_Price	Inventory_Value
2019-05-29	B071DXMCLV	28	0	28	0	40.95	0

mp_sup_key: d3727236-53ab-45fc-... (1) ▾

status: Inactive (1) ▾

open_date

ASIN: B071DXMCLV (1) ▾

Status	ASIN	Date Created	SKU	Available	Price	Inventory Value
1. Inactive	B071DXMCLV	May 29, 2019	6N-FORRESTGRN-CAL-FL	0	40.95	0

Seller id: 0ea018e0-3f3e-4132-ae5b-cf119d480528

Total products displayed on UI = 614

Total records through query = 858

[Results excel link here](#)

Active Listings:

<input type="checkbox"/> Active		FBA-ANAA-0606 New	ArtNaturals Scented Candle Gift Set Aromatherapy Set of Fragrance Soy Wax Candles - Made in USA with Essential Oils - for Stress. B075GY666X	11/06/2019 18:28:08 09/01/2021 15:52:39	7516	\$9.90 Includes \$6.39 FBA Fee ✓ Lowest price	\$ 23.99 + \$0.00	\$ 22.99 + \$0.00	Quantity discounts (3)
<input type="checkbox"/> Active		FBA-ANAA-1601 New	ArtNaturals Organic Moroccan Argan Oil Shampoo and Conditioner Set (2x16 Fl Oz / 473 ml) Sulfate Free - Volumizing & Moisturizing. B01BFKJ06	11/06/2019 18:28:08 11/18/2022 09:14:45	5659	\$9.75 Includes \$6.10 FBA Fee ✓ Lowest price	\$ 29.99 + \$0.00	\$ 21.99 + \$0.00	Add quantity discounts
<input type="checkbox"/> Active		FBA-ANPT-ACNE-00-LUXE-1 New	ArtNaturals Acne Pimple Patches (144 Pack) Hydrocolloid Acne Patches with Tea Tree Treatment for Zits and Breakouts, Spots and Dots. B09SR6YVDJ	02/18/2022 16:09:03 02/18/2022 16:22:51	3987	\$5.42 Includes \$3.22 FBA Fee ✓ Lowest price	\$ 19.99 + \$0.00	\$ 14.99 + \$0.00	Add quantity discounts
<input type="checkbox"/> Active		FBA-QBBS-10-2 New	Brown Sugar Body Oil Scrub - Moisturizing Sweet Almond, Grape Seed, Jojoba Seed & Body Oils - Exfoliating Salt Scrub For Body - ... B09V96325D	05/04/2022 20:19:16 03/25/2023 09:49:45	3602	\$6.70 Includes \$4.24 FBA Fee ✓ Lowest price	\$ 22.99 + \$0.00	\$ 18.50 + \$0.00	Add quantity discounts

ASIN: B075GY666X

<input type="checkbox"/> Active		FBA-ANAA-0606 New	ArtNaturals Scented Candle Gift Set Aromatherapy Set of Fragrance Soy Wax Candles - Made in USA with Essential Oils - for Stress. B075GY666X	11/06/2019 18:28:08 09/01/2021 15:52:39	7516	\$9.90 Includes \$6.39 FBA Fee ✓ Lowest price	\$ 23.99 + \$0.00	\$ 22.99 + \$0.00	Quantity discounts (3)
View more									

Average price only based only the active listings = 34.91 (this price is also different from the one on the screenshot) How is the price getting inflated?

mp_sup_key: 0ea018e0-3f3e-4132-a... (1) ▾

status: Active (1) ▾

open_date: Nov 6, 2019 (1) ▾

ASIN: B075GY666X (1) ▾

Status	ASIN	Date Created	SKU	Available	Price	Inventory Value
1. Active	B075GY666X	Nov 6, 2019	FBA-ANAA-0606	0	34.910000000...	0

This listing is a mix of active and inactive listings.

mp_sup_key: 0ea018e0-3f3e-4132-a... (1)	status	open_date: Nov 6, 2019 (1)	ASIN: B075GY666X (1)				
Status ASIN Date Created SKU Available Price Inventory Value							
1.	Inactive	B075GY666X	Nov 6, 2019	FBM-ANAA-0606	0	37.48	0
2.	Inactive	B075GY666X	Nov 6, 2019	FBA-ANAA-0606	0	29.98	0
3.	Active	B075GY666X	Nov 6, 2019	FBA-ANAA-0606	0	34.91	0

Looking at the records closer, why are the prices different for two records under the same listing_id?

7	1106V8SIJY0	2019-11-06 14:14:37 PST	B075GY666X	B075GY666X	FBM-ANAA-0606	39.98	0	11	DEFAULT	Inactive
8	1106V8SIJY0	2019-11-06 14:14:37 PST	B075GY666X	B075GY666X	FBM-ANAA-0606	29.98	0	11	DEFAULT	Inactive
9	1106V8SIJY0	2019-11-06 14:14:37 PST	B075GY666X	B075GY666X	FBM-ANAA-0606	39.98	0	11	DEFAULT	Inactive
10	1106V8SIJY0	2019-11-06 14:14:37 PST	B075GY666X	B075GY666X	FBM-ANAA-0606	29.98	0	11	DEFAULT	Inactive

Details of this analysis are on the original Results excel sheet above.

ASIN: B01BFKIJ06

There is no data for 11/06/2019 open_date on the Listings table.

	A	B	C	D	E	F	G	H
1	open_date	asin	total_listings	Active_listin	Inactive_listi	avg_Quantit	avg_Price	Inventory_Vi
196	2022-06-08	B01BFKIJ06	22	13	9	0	26.74090909	0
198	2022-06-08	B01BFKIJ06	16	0	16	0	25.49	0
199	2022-06-08	B01BFKIJ06	14	0	14	0	24.99	0

ASIN: B09SR6YVDJ

	A	B	C	D	E	F	G	H
1	open_date	asin	total_listings	Active_listin	Inactive_listi	avg_Quantit	avg_Price	Inventory_Vi
185	2022-06-21	B09SR6YVDJ	22	0	22	0	19.95	0
234	2022-04-14	B09SR6YVDJ	17	0	17	0	19.99	0
266	2022-02-18	B09SR6YVDJ	22	22	0	0	16.12636364	0
270	2022-02-17	B09SR6YVDJ	17	0	17	0	19.95	0

mp_sup_key: 0ea018e0-3f3e-4132-a... (1)	status: Active (1)	open_date	ASIN: B09SR6YVDJ (1)				
Status ASIN Date Created SKU Available Price Inventory Value							
1.	Active	B09SR6YVDJ	Feb 18, 2022	FBA-ANPT-ACNE-00-LUXE-1	0	16.126363636...	0

The average price does not match. From the UI screenshot, it seems there are multiple price offers (featured, lowest, actual). Looking at this in detail, there are two prices listed for the same listing_id, open_date combination : \$14.99 and \$19.99 . Because my query takes an average over all the records under this combination, the resulting average price is \$16.126. I am not sure why the price changes and average does not seem to work for all the combinations so this has to be looked at.

ASIN: B09V96325D

Data does not exist for 05/04/2022.

	A	B	C	D	E	F	G	H
1	open_date	asin	total_listings	Active_listings	Inactive_listings	avg_Quantity	avg_Price	Inventory_Value
36	2023-02-16	B09V96325D	6	0	6	0	23.32333333	0
61	2023-02-02	B09V96325D	2	0	2	0	16.99	0
145	2022-07-31	B09V96325D	22	19	3	0	19.31454545	0
246	2022-03-24	B09V96325D	22	19	3	0	19.31454545	0
252	2022-03-10	B09V96325D	16	0	16	0	12.9725	0

Inactive Listing:

Inactive  FBA-QBLB-10 New Lavender Oil Body Scrub - Moisturizing Shea Butter, Saffron & Nourishing Body Oils - Exfoliating Salt Scrub For Body & Face -Win Agal B09TVBYWKR 03/24/2022 16:13:57 3182 \$6.70 Includes \$22.99 +-- \$4.24 FBA Fee \$22.99 +-- Featured Offer: -- Lowest price: -- Add quantity discounts +--

Why does this inactive listing have a price unlike the ones for seller 1?

ASIN: B09TVBYWKR

	A	B	C	D	E	F	G	H
1	open_date	asin	total_listings	Active_listings	Inactive_listings	avg_Quantity	avg_Price	Inventory_Value
45	2023-02-16	B09TVBYWKR	6	0	6	0	23.32333333	0
65	2023-02-02	B09TVBYWKR	2	0	2	0	16.99	0
107	2022-10-07	B09TVBYWKR	22	18	4	0	19.31454545	0
254	2022-03-03	B09TVBYWKR	16	0	16	0	12.9725	0
860								

Data does not exist for 03/24/2022.

Seller id: b80e94c4-c376-413a-88b4-e2a1ddd980d9

Total products displayed on UI = 158624

Total records through query = 1116954 (this includes duplicates)

Active Listings:

<input type="checkbox"/> Active  ALPHA B11007515 New Disabled Gildan 5000 - Heavy Cotton T-Shirt - Texa s Orange - Large 8000QT4QCO 04/15/2022 13:53:51 01/05/2023 20:47:53 803017 \$1.51 \$ 8.90 +-- \$ 8.90 regular \$8.90 +\$0.00 \$8.90 +\$0.00 Add quantity discounts Lowest price: \$6.99 +\$0.00 View more
<input type="checkbox"/> Active  ALPHA B002CN515 New Disabled Canvas Men's Greenwich Short Sleeve T-Shirt, Black, Large 8003M52C0WQ 10/12/2022 11:11:17 01/06/2023 01:05:40 591020 \$1.87 \$ 11.01 +\$0.00 \$ 11.01 regular \$11.01 +\$0.00 \$11.01 +\$0.00 Add quantity discounts Lowest price: \$9.17 +\$0.00 Match View more
<input type="checkbox"/> Active  ALPHA B002CN514 New Disabled Canvas Men's Greenwich Short Sleeve T-Shirt, BLACK, Medium 800HLZMYII 06/13/2022 14:05:18 01/05/2023 21:08:59 487506 \$1.85 \$ 10.89 +\$0.00 \$ 10.89 regular \$10.89 +\$0.00 \$10.89 +\$0.00 Add quantity discounts Lowest price: \$3.00 +\$4.99 Match View more
<input type="checkbox"/> Active  ALPHA B002CN516 New Disabled Bella+Canvas Jersey Short Sleeve Tee Bl 80X 8000PT7Y9WS 04/26/2022 21:34:54 01/06/2023 01:05:34 486671 \$1.87 \$ 11.01 +\$0.00 \$ 11.01 regular \$11.01 +\$0.00 \$11.01 +\$0.00 Add quantity discounts Lowest price: \$4.37 +\$4.99 Match View more
<input type="checkbox"/> Active  ALPHA B03307515 New Disabled Gildan Men's Big SofStyle Taped Neck T-Shirt, White, Large, 64000 80065NGKJQ 04/26/2022 21:29:48 01/05/2023 21:15:58 459237 \$1.63 \$ 9.60 +-- \$ 9.60 regular \$9.60 +\$0.00 \$9.60 +\$0.00 Add quantity discounts Lowest price: \$7.95 +\$0.00 View more
<input type="checkbox"/> Active  ALPHA B11120515 New Disabled Fruit Of The Loom Men's Heavy Cotton T-Shirt, Black, Large 80009G86JC 04/28/2022 18:56:05 01/05/2023 23:26:02 451665 \$1.51 \$ 8.90 +\$0.00 \$ 8.90 regular \$8.90 +\$0.00 \$8.90 +\$0.00 Add quantity discounts Lowest price: \$7.11 +\$0.00 Match View more
<input type="checkbox"/> Active  ALPHA B11007004 New Disabled Gildan Men's Classic, White, Medium 8008LTN0G8 06/28/2022 06:40:31 01/05/2023 21:16:04 402435 \$1.44 \$ 8.48 +\$0.00 \$ 8.48 regular \$8.48 +\$0.00 \$8.48 +\$0.00 Add quantity discounts Lowest price: \$7.50 +\$0.00 Match View more

ASIN: B00QTT4QCO

Data does not exist for this ASIN value.

ASIN: B003MS2CWQ

Data does not exist for this ASIN value.

ASIN: B00HLZMYII

Data does not exist for this ASIN value.

ASIN: B000P7Y9WS

Data does not exist for this ASIN value.

ASIN: B0065NGKJQ

Data does not exist for this ASIN value.

ASIN: B0009G86JC

Data does not exist for this ASIN value.

ASIN: B008LTN0G8

Data does not exist for this ASIN value.

Seller id: **1ee02181-2249-4cc9-92c4-c988c5f8b029**

Total active products displayed on UI = 27

Total records through query = 2433 (this includes duplicates)

ASIN: B096XPFVLL

Active	 ME-P902-4G1X New	ME-P902-4G1X B096XPFVLL	Cerave Facial Moisturizing Lotion PM Spf#30 2 Ounce (60ml)	02/26/2023 20:26:43 02/26/2023 20:26:58	10	\$0.55	\$ 6.91	+ --
							Migrated Template	
							Featured Offer: \$6.99 + \$0.00	
							Competitive price: \$13.99	
							Lowest price: \$6.99 + \$0.00	
							View more	

mp_sup_key: 1ee02181-2249-4cc9-92c4-c988c5f8b029 (1) ▾	status: Active (1) ▾	open_date: Feb 26, 2023 (1) ▾	ASIN: B096XPFVLL (1) ▾			
Status	ASIN	Date Created	SKU	Available	Price	Inventory Value
1. Active	B096XPFVLL	Feb 26, 2023	ME-P902-4G1X	12.75	7.4375	94.83

Price on the screenshot is 6.91 which does not match my value but it matches with the value from the most recent partition date.

A	B	C	D	E	F	G	H	I	J	L
listing_id	open_date	product_id	asin	sku	price	quantity	item_condition	fulfillment_channel	status	partition_date
0227AH7KPYV	2023-02-26 17:26:36 PST	B096XPFVLL	B096XPFVLL	ME-P9O2-4G1X	6.91	10	11	DEFAULT	Active	2023-03-26
0227AH7KPYV	2023-02-26 17:26:36 PST	B096XPFVLL	B096XPFVLL	ME-P9O2-4G1X	9	14	11	DEFAULT	Active	2023-03-19
0227AH7KPYV	2023-02-26 17:26:36 PST	B096XPFVLL	B096XPFVLL	ME-P9O2-4G1X	6.92	11	11	DEFAULT	Active	2023-03-12
0227AH7KPYV	2023-02-26 17:26:36 PST	B096XPFVLL	B096XPFVLL	ME-P9O2-4G1X	6.92	16	11	DEFAULT	Active	2023-03-05

ASIN: B000V87C2U

mp_sup_key: 1ee02181-2249-4cc9-... (1)	status: Active (1)	open_date: Mar 11, 2023 (1)	ASIN: B000V87C2U (1)			
Status ASIN Date Created SKU Available Price Inventory Value						
1. Active B000V87C2U Mar 11, 2023 Q5-PVCL-XDN1 1 21.45 21.45						

Quantity does not match. Price matches the competitive price only. There is only one data point in the table, so where is this data coming from?

<input type="checkbox"/> Active	BC-3L5T-OG47	DERMA-E Advanced Peptides and Flora-Collagen Eye Cream – Anti-Aging Moisturizer Smooths Appearance of Crow's Feet, Lines and Wrinkles, 1/2 Oz B000V87C2U	03/11/2023 01:08:34	03/11/2023 01:08:56	9	\$2.25	\$ 15.00 +--
Migrated Template Featured Offer: \$19.99 + \$0.00 Competitive price: \$21.45 Lowest price: \$19.99 + \$0.00							

listing_id	open_date	product_id	asin	sku	price	quantity	item_condition	fulfillment_channel	status	partition_date
0311AG8ZDKN	2023-03-11 14:42:40 PST	B000V87C2U	B000V87C2U	Q5-PVC-L-XDN1	21.45	1	11	DEFAULT	Active	2023-03-12

ASIN: B000F4Y8CW

Active	Y5-I34G-TIAT	Natures Way Herb Milk Thistle Se B000F4Y8CW	01/27/2023 21:00:59	01/27/2023 21:01:11	5	\$2.40	\$ 16.00 +--
Migrated Template Featured Offer: \$34.32 + \$0.00 Lowest price: \$34.32 + \$0.00							
View more							
mp_sup_key: 1ee02181-2249-4cc9-... (1)							
status: Active (1)							
open_date: Jan 27, 2023 (1)							
ASIN: B000F4Y8CW (1)							
Status ASIN Date Created SKU Available Price Inventory Value							
1. Active B000F4Y8CW Jan 27, 2023 Y5-I34G-TIAT 5 32.037777777... 160.19							

Quantity matches because for all the records with different partition dates, there is no change in the value.. The price does not match because it is taking an average over 9 records with a wide range of values.

listing_id	open_date	product_id	asin	sku	price	quantity	item_condition	fulfillment_c	status	partition_da
0128A5P9GGH	2023-01-27 18:0	B000F4Y8CW	B000F4Y8CW	Y5-I34G-TIAT	16	5	11	DEFAULT	Active	2023-03-26
0128A5P9GGH	2023-01-27 18:0	B000F4Y8CW	B000F4Y8CW	Y5-I34G-TIAT	16	5	11	DEFAULT	Active	2023-03-19
0128A5P9GGH	2023-01-27 18:0	B000F4Y8CW	B000F4Y8CW	Y5-I34G-TIAT	33	5	11	DEFAULT	Active	2023-03-12
0128A5P9GGH	2023-01-27 18:0	B000F4Y8CW	B000F4Y8CW	Y5-I34G-TIAT	33	5	11	DEFAULT	Active	2023-03-05
0128A5P9GGH	2023-01-27 18:0	B000F4Y8CW	B000F4Y8CW	Y5-I34G-TIAT	33	5	11	DEFAULT	Active	2023-02-26
0128A5P9GGH	2023-01-27 18:0	B000F4Y8CW	B000F4Y8CW	Y5-I34G-TIAT	33	5	11	DEFAULT	Active	2023-02-19
0128A5P9GGH	2023-01-27 18:0	B000F4Y8CW	B000F4Y8CW	Y5-I34G-TIAT	39.77	5	11	DEFAULT	Active	2023-02-12
0128A5P9GGH	2023-01-27 18:0	B000F4Y8CW	B000F4Y8CW	Y5-I34G-TIAT	40.58	5	11	DEFAULT	Active	2023-02-05
0128A5P9GGH	2023-01-27 18:0	B000F4Y8CW	B000F4Y8CW	Y5-I34G-TIAT	43.99	5	11	DEFAULT	Active	2023-01-29
					32.03777778					

My hypothesis about using price and quantity from the most recent partition date values match for this case as well.

ASIN: B07XP8K162

mp_sup_key: 1ee02181-2249-4cc9-... (1) ▾
status: Active (1) ▾
open_date: Mar 18, 2023 (1) ▾
ASIN: B07XP8K162 (1) ▾

Status	ASIN	Date Created	SKU	Available	Price	Inventory Value
1. Active	B07XP8K162	Mar 18, 2023	FL-KZDU-AQ0K	6.5	15.68	101.92



FL-KZDU-AQ0K CeraVe Moisturizing Cream 16 oz Cream
B07XP8K162 New

03/18/2023 21:20:53 03/18/2023 21:21:05 5 \$2.25 ▾ \$ 14.97 +--
 Migrated Template
 Featured Offer: --
 Competitive price: \$14.97
 Lowest price: \$16.39 + \$0.00
[View more ▾](#)

Price is between lowest and featured.

listing_id	open_date	product_id	asin	sku	price	quantity	item_condition	fulfillment_channel	status	mp_sup_key
0319A05J8XM	2023-03-18 ...	B07XP8K162	B07XP8K162	FL-KZDU-AQ0K	14.97	5	11	DEFAULT	Active	1ee02181-2249-4cc9-92c4-c98...
0319A05J8XM	2023-03-18 ...	B07XP8K162	B07XP8K162	FL-KZDU-AQ0K	16.39	8	11	DEFAULT	Active	1ee02181-2249-4cc9-92c4-c98...

Instead of taking an average, does it make sense to show the most recent price and quantity values based on the partition date?

ASIN: B086NCDS8Z

mp_sup_key: 1ee02181-2249-4cc9-... (1) ▾
status: Active (1) ▾
open_date: Mar 17, 2023 (1) ▾
ASIN: B086NCDS8Z (1) ▾

Status	ASIN	Date Created	SKU	Available	Price	Inventory Value
1. Active	B086NCDS8Z	Mar 17, 2023	5S-VVSG-V9TT	5.5	14	77

Price matches but quantity is off by 0.5. Looking into this deeper, there are two records for this listings combination:

Price on both is 14, therefore the average is also 14 hence it matches.

Quantity is 6 and 5, therefore my average returns a 5.5 value for quantity. What is a better way to calculate quantity?

listing_id	open_date	product_id	asin	sku	price	quantity	item_condition	fulfillment_channel	status
0317AVZLVYY	2023-03-17 01:12:20 PDT	B086NCDS8Z	B086NCDS8Z	5S-VVS G-V9TT	14	6	11	DEFAULT	Active
0317AVZLVYY	2023-03-17 01:12:20 PDT	B086NCDS8Z	B086NCDS8Z	5S-VVS G-V9TT	14	5	11	DEFAULT	Active

Questions:

1. For the same combination of listing_id, mp_sup_key, asin, open_date, if the price or quantity is different what does that mean? Above example.
2. Instead of taking an average, does it make sense to show the most recent price and quantity values based on the partition date?