

ORDER ENGINE

INSTRUCTIONS AND TROUBLESHOOTING

USER INPUT - ORIENTATION

The screenshot shows a Google Sheet titled "Nonlinear Model Workspace (March)". The sheet contains a table with columns A through I, and rows 1 through 33. The table data includes restaurant names, meal types, cuisines, and various numerical values. Annotations with arrows point to specific parts of the sheet:

- Yellow Tabs = Engine modifies values within these tabs:** Points to the "Vendors" tab in the bottom navigation bar.
- Uncolored Tab with Time Stamp = Program Summary:** Points to the "Manual Summary" tab in the bottom navigation bar.
- Green Tabs = Required Input (Keep Sheet Names As they Are):** Points to the "Schedules" and "Preferences" tabs in the bottom navigation bar.
- Red Tabs = Don't Modify:** Points to the "Orders" tab in the bottom navigation bar.
- Run the program from the "Optimization Menu":** Points to the "Optimization" menu item in the top toolbar.

The bottom navigation bar shows the following tabs: "TOOLBOX", "History", "Schedules", "Preferences", "Vendors", "Orders", "Progress", "Cloud Output", "Manual Summary", "Sheet32", and "With Improvements from CSM".

STEP #1 - UPDATE THE HISTORY

Keep the column headers named as they are shown here

Schedules must be identical to the schedules in the 'orders' and 'schedule' tab for the Engine to load their history data (this may entail changing the format of column B, that is OK)

Navigate to the 'History' Tab

| | A | B | C | D | E | F | G | H | I |
|----|-------------|--------------|------------------------------------|----------------|--------|-------------|----------------|-------------|------------------------------------|
| 1 | delivery_da | delivery_tin | organization | vendor_name | guests | price_per_p | specific_cui | general_cui | Schedule |
| 2 | 8/1/17 | 8:15 AM | Yelp | Mission Picnic | 115 | \$13.50 | American | American | Yelp-8:15:00-11:15:00 |
| 3 | 8/1/17 | 8:20 AM | Distil Networks-8 | | | \$10.00 | American | American | Distil Networks-8:20:00-11:30:00 |
| 4 | 8/1/17 | 8:30 AM | Braintree-8:30:00 | | | \$14.00 | American | American | Braintree-8:30:00-11:30:00 |
| 5 | 8/1/17 | 8:30 AM | Parsable-9:25:00 | | | \$12.50 | American | American | Parsable-9:25:00-11:30:00 |
| 6 | 8/1/17 | 8:30 AM | 3Q Digital SF-9:30:00 | | | \$15.00 | Japanese | Asian | 3Q Digital SF-9:30:00-11:30:00 |
| 7 | 8/1/17 | 8:30 AM | Tout-10:00:00-17:30:00 | | | \$16.00 | Thai | Asian | Tout-10:00:00-17:30:00 |
| 8 | 8/1/17 | 8:30 AM | Dispatchr-11:30:00-17:30:00 | | | \$17.00 | California | American | Dispatchr-11:30:00-17:30:00 |
| 9 | 8/1/17 | 8:30 AM | Helpshift-11:30:00-17:30:00 | | | \$13.50 | Taiwanese | Asian | Helpshift-11:30:00-17:30:00 |
| 10 | 8/1/17 | 8:30 AM | Pantheon-11:30:00-17:30:00 | | | \$17.00 | Salvadorian | Latin | Pantheon-11:30:00-17:30:00 |
| 11 | 8/1/17 | 8:30 AM | Braintree-11:30:00-17:30:00 | | | \$14.00 | Korean | Asian | Braintree-11:30:00-17:30:00 |
| 12 | 8/1/17 | 8:30 AM | Pantheon-11:30:00-17:30:00 | | | \$13.00 | Thai | Asian | Pantheon-11:30:00-17:30:00 |
| 13 | 8/1/17 | 8:30 AM | The Match Group-11:30:00-17:30:00 | | | \$14.00 | American | American | The Match Group-11:30:00-17:30:00 |
| 14 | 8/1/17 | 8:30 AM | Alloy PD-11:30:00-17:30:00 | | | \$15.00 | Mexican | Latin | Alloy PD-11:30:00-17:30:00 |
| 15 | 8/1/17 | 8:30 AM | User Testing-11:30:00-17:30:00 | | | \$16.00 | Thai | Asian | User Testing-11:30:00-17:30:00 |
| 16 | 8/1/17 | 8:30 AM | Mission Picnic-11:30:00-17:30:00 | | | \$13.00 | California | American | Mission Picnic-11:30:00-17:30:00 |
| 17 | 8/1/17 | 8:30 AM | Tamarind Hall-11:30:00-17:30:00 | | | \$15.00 | Latin American | Latin | Tamarind Hall-11:30:00-17:30:00 |
| 18 | 8/1/17 | 8:30 AM | TrustArc-11:45:00-17:30:00 | | | \$13.00 | Taiwanese | Asian | TrustArc-11:45:00-17:30:00 |
| 19 | 8/1/17 | 8:30 AM | Chartboost-11:45:00-17:30:00 | | | \$15.00 | Peruvian | Latin | Chartboost-11:45:00-17:30:00 |
| 20 | 8/1/17 | 8:30 AM | Leanplum-11:45:00-17:30:00 | | | \$13.50 | California | American | Leanplum-11:45:00-17:30:00 |
| 21 | 8/1/17 | 8:30 AM | Discord-11:45:00-17:30:00 | | | \$14.50 | Indian | Asian | Discord-11:45:00-17:30:00 |
| 22 | 8/1/17 | 8:30 AM | Twist Bioscience-11:45:00-17:30:00 | | | \$15.00 | Indian | Asian | Twist Bioscience-11:45:00-17:30:00 |
| 23 | 8/1/17 | 8:30 AM | Remix-11:45:00-17:30:00 | | | \$13.00 | American | American | Remix-11:45:00-17:30:00 |
| 24 | 8/1/17 | 8:30 AM | Opendoor-11:45:00-17:30:00 | | | \$13.00 | American | American | Opendoor-11:45:00-17:30:00 |
| 25 | 8/1/17 | 8:30 AM | MightyHive-11:45:00-17:30:00 | | | \$13.00 | American | American | MightyHive-11:45:00-17:30:00 |
| 26 | 8/1/17 | 8:30 AM | Checkr-11:45:00-17:30:00 | | | \$13.00 | American | American | Checkr-11:45:00-17:30:00 |
| 27 | 8/1/17 | 8:30 AM | Boku-11:45:00-17:30:00 | | | \$13.00 | American | American | Boku-11:45:00-17:30:00 |
| 28 | 8/1/17 | 8:30 AM | Clover Health-11:45:00-17:30:00 | | | \$13.00 | American | American | Clover Health-11:45:00-17:30:00 |
| 29 | 8/1/17 | 8:30 AM | Simmer-11:45:00-17:30:00 | | | \$13.00 | American | American | Simmer-11:45:00-17:30:00 |
| 30 | 8/1/17 | 8:30 AM | Clover Health-11:45:00-17:30:00 | | | \$13.00 | American | American | Clover Health-11:45:00-17:30:00 |

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TODAY

History

Schedules

Preferences

Vendors

Orders

Progress

Cloud Output

Manual Summary

Sheets

STEP #2 - UPDATE THE CURRENT CUSTOMER 'PREFERENCES'

- 'Restaurant' Column - Any restaurant entered here will be excluded from any assignments
- 'Cuisine' Column - Any name that is either a 'general' or 'specific' cuisine that is entered in this column will not be assigned to the respective customer

Keep the column headers named as they are shown here

Navigate to the 'Preferences' Tab

Engine reads from 'Loved'

| | A | B | C | D | E |
|----|-------------------|----------------------------------|---------|---------------|-------|
| 1 | Organization | Restaurant | Cuisine | Restaurant ID | Loved |
| 2 | 159 Solutions | Trattoria da Vittorio | | Thumbs Down | FALSE |
| 3 | Aclima, Inc | Trop Bear | | Thumbs Down | FALSE |
| 4 | Aclima, Inc | Burma Bear | | Thumbs Down | FALSE |
| 5 | ACTIVIA | Yogiyo Korean BBQ | | Thumbs Down | FALSE |
| 6 | Arise | Jackrabbit | | Thumbs Down | FALSE |
| 7 | Advantage Fitness | Benny's Tacos & Chicken Rotisser | | Thumbs Down | FALSE |
| 8 | Advantage Fitness | Ninjin | | Thumbs Down | FALSE |
| 9 | Advantage Fitness | Kye's Montana | | Thumbs Down | FALSE |
| 10 | Advantage Fitness | Bay Cities Deli | | Thumbs Down | FALSE |
| 11 | Airtable | Burma Bear | | Thumbs Down | FALSE |
| 12 | Airtable | Gilberth's Rotisserie Grill | | Thumbs Down | FALSE |
| 13 | Airtable | Sneaky's BBQ | | Thumbs Down | FALSE |
| 14 | Airware | Peaches Patties | | Thumbs Down | FALSE |
| 15 | Airware | Bon Marche | | Thumbs Down | FALSE |
| 16 | Airware | EireTrea | | Thumbs Down | FALSE |
| 17 | Airware | Pica Pica | | Thumbs Down | FALSE |
| 18 | Airware | Jackrabbit | | Thumbs Down | FALSE |
| 19 | Airware | Dabba | | Thumbs Down | FALSE |
| 20 | Airware | d'm | | Thumbs Down | FALSE |
| 21 | Airware | H | | Thumbs Down | FALSE |
| 22 | Airware | ime | | Thumbs Down | FALSE |
| 23 | Airware | Shack | | Thumbs Down | FALSE |
| 24 | Airware | rm Hill | | Thumbs Down | FALSE |
| 25 | Alloy P | Slider Shack | | Thumbs Down | FALSE |
| 26 | Alloy | Simmer | | Thumbs Down | FALSE |
| 27 | A | Jackrabbit | | Thumbs Down | FALSE |
| | andrie | Bistro SF Grill | | Thumbs Down | FALSE |
| | ilandrie | Bamboo Asia | | Thumbs Down | FALSE |
| | | Farm Hill | | Thumbs Down | FALSE |
| | | Asian Bowls | | Thumbs Down | FALSE |
| | | Azan | | Thumbs Down | FALSE |
| | | Slider Shack | | Thumbs Down | FALSE |

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TODO

History

Preferences

Schedules

Vendors

STEP #3 - UPDATE THE 'SCHEDULES' TAB

| | A | B | C | D | E | F | G | H | I | J | K | L | M | N |
|----|---|----------------------|---------------------|-----------|------------------|---------------|--------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| 1 | Schedule | associateHistoryWith | assignment_eligible | groupWith | Premium_Upcharge | Extra_Protein | Extra_Prem_Protein | Vendor_Frequency0 | Vendor_Threshold0 | Vendor_Frequency1 | Vendor_Threshold1 | Vendor_Frequency2 | Vendor_Threshold2 | Vendor_Frequency3 |
| 2 | ----- | | | | | | | | | | | | | |
| 3 | 159 Solutions-12:35:00-16-\$15.00 | Schedule | 1 | | | | | 0 | 8 | 2 | 12 | 5 | 16 | |
| 4 | Abakus-11:30:00-15-\$14.00 | Schedule | 1 | | | | | 0 | 8 | 2 | 12 | 5 | 16 | |
| 5 | Adjust-12:00:00-15-\$15.00 | Schedule | 1 | | | | | 0 | 8 | 2 | 12 | 5 | 16 | |
| 6 | Airware-12:00:00-55-\$12.00 | Schedule | 1 | | 27.5 | | | 0 | 8 | 2 | 12 | 5 | 16 | |
| 7 | Alloy PD-11:30:00-29-\$14.00 | Schedule | 1 | | | | | 0 | 8 | 2 | 12 | 5 | 16 | |
| 8 | Amplitude-12:00:00-15-\$15.00 | Schedule | 0 | | | | | 0 | 8 | 2 | 12 | 5 | 16 | |
| 9 | Amplitude-12:00:00-90-\$15.00 | Schedule | 1 | | 45 | | | 0 | 8 | 2 | 12 | 5 | 16 | |
| 10 | Ancestry-Marketing Team-11:15:00-15-\$15.00 | Schedule | 1 | | 7.5 | | | 0 | 8 | 2 | 12 | 5 | 16 | |
| 11 | AppDirect-11:30:00-140-\$13.50 | Schedule | 1 | | 70 | 20 | 20 | 0 | 8 | 2 | 12 | 5 | 16 | |
| 12 | AppLift Inc-12:00:00-15-\$15.00 | Schedule | 1 | | | | | 0 | 8 | 2 | 12 | 5 | 16 | |
| 13 | BitTorrent-11:50:00-40-\$15.00 | Schedule | 1 | | | | | 0 | 8 | 2 | 12 | 5 | 16 | |
| 14 | Blende Dental Group-11:45:00-15-\$15.00 | Schedule | 1 | | | | | 0 | 8 | 2 | 12 | 5 | 16 | |
| 15 | Bloomberg-11:30:00-45-\$15.00 | Schedule | 1 | | | | | 0 | 8 | 2 | 12 | 5 | 16 | |
| 16 | Blueshift-12:00:00-18-\$15.00 | Schedule | 1 | | | | | 0 | 8 | 2 | 12 | 5 | 16 | |
| 17 | Boku-11:45:00-55-\$15.00 | Schedule | 1 | | | | | 0 | 8 | 2 | 12 | 5 | 16 | |
| 18 | Boosted B | Schedule | 1 | | | | | 0 | 8 | 2 | 12 | 5 | 16 | |
| 19 | Boosted B | | | | | | | 0 | 8 | 2 | 12 | 5 | 16 | |
| 20 | Braintree | | | | | 20 | 20 | 0 | 8 | 2 | 12 | 5 | 16 | |
| 21 | Braintree | | | | | 20 | 30 | 0 | 8 | 2 | 12 | 5 | 16 | |
| 22 | BuzzFeed | | | | | | | 0 | 8 | 2 | 12 | 5 | 16 | |
| 23 | Canvas-12:00:00-50-\$15.00 | | | | | | | 0 | 8 | 2 | 12 | 5 | 16 | |
| 24 | Canvas-12:00:00-40-\$15.00 | | | | | | | 0 | 8 | 2 | 12 | 5 | 16 | |
| 25 | Carbon Five SF-12:00:00-38-\$15.00 | | | | | | | 0 | 8 | 2 | 12 | 5 | 16 | |
| 26 | | | | | | | | 0 | 8 | 2 | 12 | 5 | 16 | |
| 27 | | | | | | | | 0 | 8 | 2 | 12 | 5 | 16 | |
| 28 | | | | | | | | 0 | 8 | 2 | 12 | 5 | 16 | |
| 29 | | | | | | | | 0 | 8 | 2 | 12 | 5 | 16 | |
| 30 | | | | | | | | 0 | 8 | 2 | 12 | 5 | 16 | |
| 31 | | | | | | | | 0 | 8 | 2 | 12 | 5 | 16 | |

Choices are either 'Schedule' or 'Organization' see comment for details

The 'groupWith' column allows you to specify a schedule that another schedule should be linked with.
If you wanted to assign the same meal to 'Amplitude- 12:00:00:00-15-\$12.00' as 'Amplitude- 12:00:00:00-90-\$12.00', then you would plug in "Amplitude- 12:00:00:00-15-\$12.00" into cell 'D9'

'Schedule' column should include all schedules that are ordering for the month.

Designate which vendors are eligible for the Engine to assign meals to by entering a '1' in this column.
If the vendor shouldn't be included, then enter a '0'

STEP #4 - VENDOR INFORMATION

Extras Pricing:
Enter in a number in similar format to the 'Tier Pricing' (0.00).
No \$ signs, no commas, no '>/'<' logic.

| on_off | Vendor | Menu | specific_cuisine | general_cuisine | Tier 0 Maximum | Tier_1_Minimum | Tier_2_Minimum | Tier_3_Minimum | Tier_4_Minimum | Tier_5_Minimum | Tier_0_Price | Tier_1_Price | Tier_2_Price | Tier_3_Price | Tier_4_Price | Tier_5_Price | Daily_Max_Meals | Monthly_Max_Meals | Daily_Max_Orders | Tier_0_Premium | Tier_0_Extra | Tier_0_Extra_Pri | |
|--------|------------------|----------|------------------|-------------------|-------------------|----------------|----------------|----------------|----------------|----------------|--------------|--------------|--------------|--------------|--------------|--------------|-----------------|-------------------|------------------|----------------|--------------|------------------|---|
| 1 | Alicia's Tamales | Tomale | Meal | Latin | 2499 | 2500 | 3500 | 4500 | 5500 | 6500 | 9.00 | 7.00 | 7.00 | 7.00 | 7.00 | 7.00 | 1000 | 5000 | | 1 | 3 | 4 | |
| 1 | Alicia's Tamales | Mole | Meal | Latin | 2499 | 2500 | 3500 | 4500 | 5500 | 6500 | 9.00 | 7.00 | 7.00 | 7.00 | 7.00 | 7.00 | 1000 | 5000 | | 1 | 3 | 4 | |
| 1 | Amavele's South | standa | Meal | African | 999 | 1000 | 2000 | 3000 | 4000 | 5000 | 8.75 | 8.75 | 8.75 | 8.75 | 8.75 | 8.75 | | | | 1 | 3 | 4 | |
| 1 | Asian Bowls | standa | Meal | Asian | 1499 | 1501 | 2501 | 3501 | 4001 | 5001 | 7.00 | 6.50 | 6.00 | 5.75 | 5.50 | 5.00 | 600 | 2000 | | 1 | 3 | 4 | |
| 1 | Ayola | standa | Meal | Mediterranean | 999 | 1000 | 2000 | 3000 | 4000 | 5000 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | 12.50 | | | | 1 | 3 | 4 | |
| 1 | Bamboo Asia | standa | Meal | Asian | 999 | 1000 | 2000 | 3000 | 4000 | 5000 | 7.50 | 8.75 | 8.75 | 8.75 | 8.75 | 8.75 | | | | 1 | 3 | 4 | |
| 1 | Barzotto | standa | Meal | European | | | | | | | | | | | | | 400 | 500 | | 1 | 3 | 4 | |
| 1 | Bayshore Taquer | standa | Meal | Latin | | | | | | | | | | | | | | | | 1 | 3 | 4 | |
| 1 | Bin's Kitchen | standa | Meal | Asian | Nepalese | 999 | 1000 | 2000 | 3000 | 4000 | 5000 | 8.50 | 5.50 | 5.50 | 5.50 | 5.50 | 500 | 10000 | | 1 | 3 | 4 | |
| 1 | Bistro SF Grill | standa | Meal | American | American | 999 | 1000 | 3000 | 5000 | 7000 | 9000 | 8.00 | 6.25 | 6.00 | 6.00 | 6.00 | 1000 | 20000 | | 1 | 3 | 4 | |
| 1 | Blue Front Cafe | standa | Meal | Mediterranean | Mediterranean | 999 | 1000 | 3000 | 4000 | 5000 | 6000 | 9.00 | 7.00 | 6.75 | 6.25 | 6.25 | 600 | 10000 | | 1 | 3 | 4 | |
| 1 | Breaking Bread | standa | Meal | American | Sandwiches & Sa | 999 | 1000 | 2000 | 3000 | 4000 | 5000 | 8.75 | 8.75 | 8.75 | 8.75 | 8.75 | | | | 1 | 3 | 4 | |
| 1 | Burma Bear | standa | Meal | Asian | Burmese | 2000 | 2500 | 3000 | 3500 | 4000 | 5000 | 8.25 | 7.00 | 7.00 | 7.00 | 7.00 | 1000 | | | 1 | 3 | 4 | |
| 1 | Chabaa Thai | standa | Meal | Asian | Thai | 2000 | 4000 | 6000 | 8000 | 10000 | 9.00 | 7.00 | 6.50 | 6.50 | 6.50 | 6.50 | 1000 | 6000 | | 1 | 3 | 4 | |
| 1 | Chez Julien | standa | Meal | American | Sandwiches & Sa | 1000 | 2000 | 3000 | 4000 | 5000 | 6000 | 11.00 | 11.00 | 11.00 | 11.00 | 11.00 | | | | 1 | 3 | 4 | |
| 1 | Chouquet's | standa | Meal | European | French | 1000 | 2000 | 3000 | 4000 | 5000 | 6000 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | | | | 1 | 3 | 4 | |
| 1 | City Smoke Hou | standa | Meal | American | Barbeque | 501 | 1000 | 2000 | 3000 | 4000 | 5000 | 11.00 | 9.50 | 8.50 | 8.75 | 8.50 | 300 | 300 | | 1 | 3 | 4 | |
| 1 | Comal | standa | Meal | Latin | Mexican | 999 | 1000 | 2000 | 3000 | 4000 | 5000 | 9.25 | 9.25 | 9.25 | 9.25 | 9.25 | | | | 1 | 3 | 4 | |
| 1 | Country Grill | standa | Meal | American | American | 999 | 1000 | 2000 | 3000 | 4000 | 5000 | 9.50 | 9.50 | 9.50 | 9.50 | 9.50 | | | | 1 | 3 | 4 | |
| 1 | Creative Ideas | standa | Meal | American | American | 999 | 1000 | 2000 | 3000 | 4000 | 5000 | 11.00 | 11.00 | 11.00 | 11.00 | 11.00 | | | | 1 | 3 | 4 | |
| 1 | Dabba | standa | Meal | Globally Inspired | Globally Inspired | 999 | 3500 | 4000 | 4500 | 5000 | 6000 | 8.00 | 7.00 | 6.80 | 6.80 | 6.20 | 700 | 140 | | 1 | 3 | 4 | |
| 1 | Delicioso Cre | standa | Meal | Latin | Mexican | 999 | 2000 | 3000 | 4000 | 5000 | 6000 | 7.75 | 7.75 | 7.75 | 7.75 | 7.75 | | | | 1 | 3 | 4 | |
| 1 | Destino | standa | Meal | Latin | Latin American | 2499 | 2500 | 2500 | 2500 | 2500 | 2500 | 8.50 | 7.00 | 7.00 | 7.00 | 7.00 | 500 | 350 | | 1 | 3 | 4 | |
| 1 | Dinosaurs S | standa | Meal | Asian | Vietnamese | 999 | 2500 | 2500 | 2500 | 2500 | 2500 | 8.25 | 8.75 | 8.75 | 8.75 | 8.75 | 250 | 250 | | 1 | 3 | 4 | |
| 1 | Dosa | standa | Meal | Asian | Indian | 1999 | 4000 | 6000 | 8000 | 10000 | 10000 | 6.50 | 6.00 | 6.00 | 6.00 | 6.00 | 300 | 600 | | 1 | 3 | 4 | |
| 1 | Dragon Be | standa | Meal | Asian | Chinese | 999 | 2000 | 3000 | 4000 | 5000 | 6000 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | | | | 1 | 3 | 4 | |
| 1 | Eintrea | standa | Meal | African | Eritrean | 2999 | 3000 | 3000 | 3000 | 3000 | 3000 | 15.00 | 6.50 | 6.50 | 6.50 | 6.50 | 1000 | 5000 | | 1 | 3 | 4 | |
| 1 | El Buen C | standa | Meal | Latin | Mexican | 999 | 1000 | 2000 | 3000 | 4000 | 5000 | 8.50 | 8.50 | 8.50 | 8.50 | 8.50 | | | | 1 | 3 | 4 | |
| 1 | El Sur | standa | Meal | Latin | Argentinian | 999 | 1000 | 2000 | 3000 | 4000 | 5000 | 8.50 | 8.50 | 8.50 | 8.50 | 8.50 | | | | 1 | 3 | 4 | |
| 1 | | | | | | 999 | | | | | | | | | | | | | | 1 | 3 | 4 | |
| 1 | | | | | | 999 | | | | | | | | | | | | | | 1 | 3 | 4 | |
| 1 | | | | | | 999 | | | | | | | | | | | | | | 1 | 3 | 4 | |
| 1 | | | | | | 999 | | | | | | | | | | | | | | 1 | 3 | 4 | |
| 1 | | | | | | 999 | | | | | | | | | | | | | | 1 | 3 | 4 | |
| 1 | | | | | | 999 | | | | | | | | | | | | | | 1 | 3 | 4 | |
| 1 | | | | | | 999 | | | | | | | | | | | | | | 1 | 3 | 4 | |
| 1 | | | | | | 1999 | | | | | | | | | | | | | | 1 | 3 | 4 | |
| 1 | | | | | | 999 | | | | | | | | | | | | | | 1 | 3 | 4 | |
| 1 | Hi Neighbor Cafe | standard | Meal | American | California | 999 | 1000 | 2000 | 3000 | 4000 | 5000 | 11.33 | 11.33 | 11.33 | 11.33 | 11.33 | 11.33 | | | | 1 | 3 | 4 |
| 1 | Hiyaal | standard | Meal | Asian | Korean | 999 | 1000 | 2000 | 3000 | 4000 | 5000 | 12.00 | 12.00 | 12.00 | 12.00 | 12.00 | 12.00 | | | | 1 | 3 | 4 |

Vendors can have multiple Menus associated with them. Each 'Menu' has a Tier/Volume pricing structure, capacity constraints, and extras pricing.

Enter specific and general cuisines associated with each Menu/Vendor combination

Tier Minimums:
Enter in numbers with no commas or decimals. Tiers must be increasing in value, up to or past the Vendor's maximum monthly capacity. No '>' or '<' logic.

Tier Pricing:
Enter in prices with no '\$' signs. 0.00 is the acceptable format. Prices should be extrapolated in either a decreasing or non-increasing pattern.

Capacities:
Enter in numbers with no decimal and no commas. If a value is not entered the default value will be:
Daily Max Orders = 3
Monthly Max Meals = 1250
Daily Max Meals = 750

Vendors can have multiple Menus associated with them. Each 'Menu' has a Tier/Volume pricing structure, capacity constraints, and extras pricing.

Enter specific and general cuisines associated with each Menu/Vendor combination

Tier Minimums:
Enter in numbers with no commas or decimals. Tiers must be increasing in value, up to or past the Vendor's maximum monthly capacity. No '>' or '<' logic.

Tier Pricing:
Enter in prices with no '\$' signs. 0.00 is the acceptable format. Prices should be extrapolated in either a decreasing or non-increasing pattern.

Capacities:
Enter in numbers with no decimal and no commas. If a value is not entered the default value will be:
Daily Max Orders = 3
Monthly Max Meals = 1250
Daily Max Meals = 750

STEP #5 - INPUT ORDERS TO BE ASSIGNED

Columns can be in any order but must be named as shown.

Orders must be sorted:

First - sorted by customer

Second - sorted by date

'Schedule' must match exactly the schedules in the 'Schedule' tab exactly. Some common mistakes are spaces between the Vendor Name and the time, as well as missing dollar signs.

'price' column cannot include a \$ sign. No commas, either.

'orderDate' and 'orderTime' must match the format as shown.

| | A | B | C | D | E | F | G | H | I | |
|----|-----------------------------------|---------------|-------------------|---------------|-------------|------------|----------|-----------------|----------------|----------------|
| 1 | Schedule | Customer | Address | orderDate | orderTime | guestCount | price | agent | GMV | |
| 2 | 159 Solutions-12:35:00-16-\$15.00 | 159 Solutions | 400 Oyster Point | 2/2/18 | 12:35:00 | 16 | 15.00 | Zoe Herwitz | 240 | |
| 3 | 159 Solutions-12:35:00-16-\$15.00 | 159 Solutions | 400 Oyster Point | 2/9/18 | 12:35:00 | 16 | 15.00 | Zoe Herwitz | 240 | |
| 4 | 159 Solutions-16:30:00-16-\$15.00 | 159 Solutions | 400 Oyster Point | 2/12/18 | 16:30:00 | 16 | 15.00 | Zoe Herwitz | 240 | |
| 5 | 159 Solutions-12:35:00-16-\$15.00 | 159 Solutions | 400 Oyster Point | 2/16/18 | 12:35:00 | 16 | 15.00 | Zoe Herwitz | 240 | |
| 6 | 159 Solutions-12:35:00-16-\$15.00 | 159 Solutions | 400 Oyster Point | 2/23/18 | 12:35:00 | 16 | 15.00 | Zoe Herwitz | 240 | |
| 7 | 159 Solutions-16:30:00-16-\$15.00 | 159 Solutions | 400 Oyster Point | 2/26/18 | 16:30:00 | 16 | 15.00 | Zoe Herwitz | 240 | |
| 8 | Abakus-11:30:00-15-\$14.00 | Abakus | 1999 Harrison St | 2/1/18 | 11:30:00 | 15 | 14.00 | Lauryn D'Angeli | 210 | |
| 9 | Abakus-11:30:00-15-\$14.00 | Abakus | 1999 Harrison St | 2/8/18 | 11:30:00 | 15 | 14.00 | Lauryn D'Angeli | 210 | |
| 10 | Abakus-11:30:00-15-\$14.00 | Abakus | 1999 Harrison St | 2/15/18 | 11:30:00 | 15 | 14.00 | Lauryn D'Angeli | 210 | |
| 11 | Abakus-11:30:00-15-\$14.00 | Abakus | 1999 Harrison St | 2/22/18 | 11:30:00 | 15 | 14.00 | Lauryn D'Angeli | 210 | |
| 12 | Adjust-12:00:00-15-\$15.00 | Adjust | 500 Montgomery | 2/1/18 | 12:00:00 | 15 | 15.00 | Zoe Herwitz | 225 | |
| 13 | Adjust-12:00:00-15-\$15.00 | Adjust | 500 Montgomery | 2/8/18 | 12:00:00 | 15 | 15.00 | Zoe Herwitz | 225 | |
| 14 | Adjust-12:00:00-15-\$15.00 | Adjust | 500 Montgomery | 2/15/18 | 12:00:00 | 15 | 15.00 | Zoe Herwitz | 225 | |
| 15 | Adjust-12:00:00-15-\$15.00 | Adjust | 500 Montgomery | 2/22/18 | 12:00:00 | 15 | 15.00 | Zoe Herwitz | 225 | |
| 16 | Airtable-12:15:00-26-\$15.50 | Airtable | 799 Market Street | 2/5/18 | 12:15:00 | 26 | 15.50 | Zoe Herwitz | 403 | |
| 17 | Airtable-12:15:00-26-\$15.50 | Airtable | 799 Market Street | 2/6/18 | 12:15:00 | 26 | 15.50 | Zoe Herwitz | 403 | |
| 18 | Airtable-12:15:00-26-\$15.50 | Airtable | 799 Market Street | 2/12/18 | 12:15:00 | 26 | 15.50 | Zoe Herwitz | 403 | |
| 19 | Airtable-12:15:00-26-\$15.50 | Airtable | 799 Market Street | 2/13/18 | 12:15:00 | 26 | 15.50 | Zoe Herwitz | 403 | |
| 20 | Airtable-12:15:00-26-\$15.50 | Airtable | 799 Market Street | 2/19/18 | 12:15:00 | 26 | 15.50 | Zoe Herwitz | 403 | |
| 21 | Airtable-12:15:00-26-\$15.50 | Airtable | 799 Market Street | 2/20/18 | 12:15:00 | 26 | 15.50 | Zoe Herwitz | 403 | |
| 22 | Airtable-12:15:00-26-\$15.50 | Airtable | 799 Market Street | 2/26/18 | 12:15:00 | 26 | 15.50 | Zoe Herwitz | 403 | |
| 23 | Airtable-12:15:00-26-\$15.50 | Airtable | 799 Market Street | 2/27/18 | 12:15:00 | 26 | 15.50 | Zoe Herwitz | 403 | |
| 24 | Ainware-12:00:00-55-\$12.00 | Ainware | 480 Bryant St. St | 2/2/18 | 12:00:00 | 55 | 12.00 | Kelsey Preston | 660 | |
| 25 | Ainware-12:00:00-55-\$12.00 | Ainware | 480 Bryant St. St | 2/5/18 | 12:00:00 | 55 | 12.00 | Kelsey Preston | 660 | |
| 26 | Ainware-12:00:00-55-\$12.00 | Ainware | 480 Bryant St. St | 2/7/18 | 12:00:00 | 55 | 12.00 | Kelsey Preston | 660 | |
| 27 | Ainware-12:00:00-55-\$12.00 | Ainware | 480 Bryant St. St | 2/9/18 | 12:00:00 | 55 | 12.00 | Kelsey Preston | 660 | |
| 28 | Ainware-12:00:00-55-\$12.00 | Ainware | 480 Bryant St. St | 2/12/18 | 12:00:00 | 55 | 12.00 | Kelsey Preston | 660 | |
| 29 | Ainware-12:00:00-55-\$12.00 | Ainware | 480 Bryant St. St | 2/14/18 | 12:00:00 | 55 | 12.00 | Kelsey Preston | 660 | |
| 30 | Ainware-12:00:00-55-\$12.00 | Ainware | 480 Bryant St. St | 2/16/18 | 12:00:00 | 55 | 12.00 | Kelsey Preston | 660 | |
| 31 | Ainware-12:00:00-55-\$12.00 | Ainware | 480 Bryant St. St | 2/19/18 | 12:00:00 | 55 | 12.00 | Kelsey Preston | 660 | |
| 32 | Ainware-12:00:00-55-\$12.00 | Ainware | 480 Bryant St. St | 2/21/18 | 12:00:00 | 55 | 12.00 | Kelsey Preston | 660 | |
| 33 | Ainware-12:00:00-55-\$12.00 | Ainware | 480 Bryant St. St | 2/23/18 | 12:00:00 | 55 | 12.00 | Kelsey Preston | 660 | |
| 34 | Ainware-12:00:00-55-\$12.00 | Ainware | 480 Bryant St. St | 2/26/18 | 12:00:00 | 55 | 12.00 | Kelsey Preston | 660 | |
| 35 | Ainware-12:00:00-55-\$12.00 | Ainware | 480 Bryant St. St | 2/28/18 | 12:00:00 | 55 | 12.00 | Kelsey Preston | 660 | |
| 36 | Alloy PD-11:30:00-29-\$14.00 | Alloy PD | 944 Folsom St. | 2/6/18 | 11:30:00 | 29 | 14.00 | Zoe Herwitz | 406 | |
| 37 | Alloy PD-11:30:00-29-\$14.00 | Alloy PD | 944 Folsom St. | 2/13/18 | 11:30:00 | 29 | 14.00 | Zoe Herwitz | 406 | |
| 38 | Alloy PD-11:30:00-29-\$14.00 | Alloy PD | 944 Folsom St. | 2/20/18 | 11:30:00 | 29 | 14.00 | Zoe Herwitz | 406 | |
| 39 | Alloy PD-11:30:00-29-\$14.00 | Alloy PD | 944 Folsom St. | 2/27/18 | 11:30:00 | 29 | 14.00 | Zoe Herwitz | 406 | |
| 40 | Amplitude-12:00:00-15-\$15.00 | Amplitude | 501 2nd Street, S | 2/5/18 | 12:00:00 | 15 | 15.00 | Shannon Dilling | 225 | |
| 41 | Amplitude-12:00:00-90-\$15.00 | Amplitude | 501 2nd Street, S | 2/5/18 | 12:00:00 | 90 | 15.00 | Shannon Dilling | 1350 | |
| | + ≡ | TODO ▾ | History ▾ | Preferences ▾ | Schedules ▾ | Vendors ▾ | Orders ▾ | Progress ▾ | Cloud Output ▾ | Manual Summary |

RUN THE PROGRAM!

Nonlinear Model Workspace (March) ☆

File Edit View Insert Format Data Tools Add-ons Help

75% \$ % .0 .00 123 - Calibri

fx Schedule

Assign Orders Assign Orders with hard vendor constraint

Analyze

Timeout: <http://52.91.104.144/> Details Dismiss

Ignore this red 'timeout' message. Our Engine is running outside of 'Google Sheets,' on Amazon Web Services, so it is irrelevant.

Click here and output will take 5-20 minutes in the 'Cloud Output' tab

| | A | B | C | D | E | F | G | H | I | J | K | L | M |
|----|-----------------------------------|---------------|------------------|-----------|-----------|------------|-------|-----------------|------|---|---|---|---|
| | Schedule | Customer | Address | orderDate | orderTime | guestCount | price | agent | GMV | | | | |
| 1 | Schedule | | | | | | | | | | | | |
| 2 | 150 Solutions-12:35:00-15-\$15.00 | 150 Solutions | 400 Oyster Point | 2/2/18 | 12:35:00 | 16 | 15.00 | Zoe Herwitz | 240 | | | | |
| 3 | 150 Solutions-12:35:00-15-\$15.00 | 150 Solutions | 400 Oyster Point | 2/9/18 | 12:35:00 | 16 | 15.00 | Zoe Herwitz | 240 | | | | |
| 4 | 150 Solutions-19:30:00-15-\$15.00 | 150 Solutions | 400 Oyster Point | 2/12/18 | 16:30:00 | 16 | 15.00 | Zoe Herwitz | 240 | | | | |
| 5 | 150 Solutions-12:35:00-15-\$15.00 | 150 Solutions | 400 Oyster Point | 2/16/18 | 12:35:00 | 16 | 15.00 | Zoe Herwitz | 240 | | | | |
| 6 | 150 Solutions-12:35:00-15-\$15.00 | 150 Solutions | 400 Oyster Point | 2/23/18 | 12:35:00 | 16 | 15.00 | Zoe Herwitz | 240 | | | | |
| 7 | 150 Solutions-19:30:00-15-\$15.00 | 150 Solutions | 400 Oyster Point | 2/26/18 | 16:30:00 | 16 | 15.00 | Zoe Herwitz | 240 | | | | |
| 8 | Abakus-11:30:00-15-\$14.00 | Abakus | 1999 Harrison St | 2/1/18 | 11:30:00 | 15 | 14.00 | Lauryn D'Angeli | 210 | | | | |
| 9 | Abakus-11:30:00-15-\$14.00 | Abakus | 1999 Harrison St | 2/8/18 | 11:30:00 | 15 | 14.00 | Lauryn D'Angeli | 210 | | | | |
| 10 | Abakus-11:30:00-15-\$14.00 | Abakus | 1999 Harrison St | 2/15/18 | 11:30:00 | 15 | 14.00 | Lauryn D'Angeli | 210 | | | | |
| 11 | Abakus-11:30:00-15-\$14.00 | Abakus | 1999 Harrison St | 2/22/18 | 11:30:00 | 15 | 14.00 | Lauryn D'Angeli | 210 | | | | |
| 12 | Adjust-12:00:00-15-\$15.00 | Adjust | 500 Montgomery | 2/1/18 | 12:00:00 | 15 | 15.00 | Zoe Herwitz | 225 | | | | |
| 13 | Adjust-12:00:00-15-\$15.00 | Adjust | 500 Montgomery | 2/8/18 | 12:00:00 | 15 | 15.00 | Zoe Herwitz | 225 | | | | |
| 14 | Adjust-12:00:00-15-\$15.00 | Adjust | 500 Montgomery | 2/15/18 | 12:00:00 | 15 | 15.00 | Zoe Herwitz | 225 | | | | |
| 15 | Adjust-12:00:00-15-\$15.00 | Adjust | 500 Montgomery | 2/22/18 | 12:00:00 | 15 | 15.00 | Zoe Herwitz | 225 | | | | |
| 16 | Airtable-12:15:00-25-\$15.50 | Airtable | 799 Market Stree | 2/5/18 | 12:15:00 | 26 | 15.50 | Zoe Herwitz | 403 | | | | |
| 17 | Airtable-12:15:00-25-\$15.50 | Airtable | 799 Market Stree | 2/6/18 | 12:15:00 | 26 | 15.50 | Zoe Herwitz | 403 | | | | |
| 18 | Airtable-12:15:00-25-\$15.50 | Airtable | 799 Market Stree | 2/12/18 | 12:15:00 | 26 | 15.50 | Zoe Herwitz | 403 | | | | |
| 19 | Airtable-12:15:00-25-\$15.50 | Airtable | 799 Market Stree | 2/13/18 | 12:15:00 | 26 | 15.50 | Zoe Herwitz | 403 | | | | |
| 20 | Airtable-12:15:00-25-\$15.50 | Airtable | 799 Market Stree | 2/19/18 | 12:15:00 | 26 | 15.50 | Zoe Herwitz | 403 | | | | |
| 21 | Airtable-12:15:00-25-\$15.50 | Airtable | 799 Market Stree | 2/20/18 | 12:15:00 | 26 | 15.50 | Zoe Herwitz | 403 | | | | |
| 22 | Airtable-12:15:00-25-\$15.50 | Airtable | 799 Market Stree | 2/26/18 | 12:15:00 | 26 | 15.50 | Zoe Herwitz | 403 | | | | |
| 23 | Airtable-12:15:00-25-\$15.50 | Airtable | 799 Market Stree | 2/27/18 | 12:15:00 | 26 | 15.50 | Zoe Herwitz | 403 | | | | |
| 24 | Ainware-12:00:00-55-\$12.00 | Ainware | 450 Bryant St. S | 2/2/18 | 12:00:00 | 55 | 12.00 | Kelsey Preston | 660 | | | | |
| 25 | Ainware-12:00:00-55-\$12.00 | Ainware | 450 Bryant St. S | 2/5/18 | 12:00:00 | 55 | 12.00 | Kelsey Preston | 660 | | | | |
| 26 | Ainware-12:00:00-55-\$12.00 | Ainware | 450 Bryant St. S | 2/7/18 | 12:00:00 | 55 | 12.00 | Kelsey Preston | 660 | | | | |
| 27 | Ainware-12:00:00-55-\$12.00 | Ainware | 450 Bryant St. S | 2/9/18 | 12:00:00 | 55 | 12.00 | Kelsey Preston | 660 | | | | |
| 28 | Ainware-12:00:00-55-\$12.00 | Ainware | 450 Bryant St. S | 2/12/18 | 12:00:00 | 55 | 12.00 | Kelsey Preston | 660 | | | | |
| 29 | Ainware-12:00:00-55-\$12.00 | Ainware | 450 Bryant St. S | 2/14/18 | 12:00:00 | 55 | 12.00 | Kelsey Preston | 660 | | | | |
| 30 | Ainware-12:00:00-55-\$12.00 | Ainware | 450 Bryant St. S | 2/16/18 | 12:00:00 | 55 | 12.00 | Kelsey Preston | 660 | | | | |
| 31 | Ainware-12:00:00-55-\$12.00 | Ainware | 450 Bryant St. S | 2/19/18 | 12:00:00 | 55 | 12.00 | Kelsey Preston | 660 | | | | |
| 32 | Ainware-12:00:00-55-\$12.00 | Ainware | 450 Bryant St. S | 2/21/18 | 12:00:00 | 55 | 12.00 | Kelsey Preston | 660 | | | | |
| 33 | Ainware-12:00:00-55-\$12.00 | Ainware | 450 Bryant St. S | 2/23/18 | 12:00:00 | 55 | 12.00 | Kelsey Preston | 660 | | | | |
| 34 | Ainware-12:00:00-55-\$12.00 | Ainware | 450 Bryant St. S | 2/26/18 | 12:00:00 | 55 | 12.00 | Kelsey Preston | 660 | | | | |
| 35 | Ainware-12:00:00-55-\$12.00 | Ainware | 450 Bryant St. S | 2/28/18 | 12:00:00 | 55 | 12.00 | Kelsey Preston | 660 | | | | |
| 36 | Alloy PD-11:30:00-29-\$14.00 | Alloy PD | 944 Folsom St. S | 2/6/18 | 11:30:00 | 29 | 14.00 | Zoe Herwitz | 406 | | | | |
| 37 | Alloy PD-11:30:00-29-\$14.00 | Alloy PD | 944 Folsom St. S | 2/13/18 | 11:30:00 | 29 | 14.00 | Zoe Herwitz | 406 | | | | |
| 38 | Alloy PD-11:30:00-29-\$14.00 | Alloy PD | 944 Folsom St. S | 2/20/18 | 11:30:00 | 29 | 14.00 | Zoe Herwitz | 406 | | | | |
| 39 | Alloy PD-11:30:00-29-\$14.00 | Alloy PD | 944 Folsom St. S | 2/27/18 | 11:30:00 | 29 | 14.00 | Zoe Herwitz | 406 | | | | |
| 40 | Amplitude-12:00:00-15-\$15.00 | Amplitude | 501 2nd Street S | 2/5/18 | 12:00:00 | 15 | 15.00 | Shannon Dilling | 225 | | | | |
| 41 | Amplitude-12:00:00-40-\$15.00 | Amplitude | 501 2nd Street S | 2/5/18 | 12:00:00 | 90 | 15.00 | Shannon Dilling | 1350 | | | | |

+ ■ TODO History Preferences Schedules Vendors Orders Progress Cloud Output Manual Summary Sheet32 With Improvements from CSM 11 17:42: Summary

CHECK OUT THE ENGINE'S PROGRESS

Navigate to the yellow 'Progress' Tab

Scroll down to the bottom row (you can delete old rows at any time). Check to make sure that in the 'Stage' column, no later than 5 minutes after you have clicked the button, reflects with a recent timestamp that the, 'Input Collection and Problem Formulation' is 100% complete.

| | A | B | C | D | E |
|----|---------------------|--|----------------------|-----------------|---|
| 1 | Timestamp | Stage | %Complete with Stage | %Complete Total | |
| 2 | 2018-02-05 20:59:16 | Input Collection and Problem Formulation | 100.00% | 20.00% | |
| 3 | 2018-02-05 21:23:57 | Input Collection and Problem Formulation | 100.00% | 20.00% | |
| 4 | 2018-02-05 21:30:21 | Summary Output | 100.00% | 60.00% | |
| 5 | 2018-02-05 21:32:09 | Order Output | 100.00% | 100.00% | |
| 6 | 2018-02-05 21:32:12 | Violations | 100.00% | 100.00% | |
| 7 | 2018-02-05 21:38:55 | Input Collection and Problem Formulation | 100.00% | 20.00% | |
| 8 | 2018-02-05 21:45:01 | Summary Output | 100.00% | 60.00% | |
| 9 | 2018-02-05 21:50:01 | Order Output | 100.00% | 100.00% | |
| 10 | 2018-02-05 22:56:30 | Input Collection and Problem Formulation | 100.00% | 20.00% | |
| 11 | 2018-02-05 16:59:08 | Input Collection and Problem Formulation | 100.00% | 20.00% | |
| 12 | 2018-02-05 17:05:21 | Summary Output | 100.00% | 60.00% | |
| 13 | 2018-02-05 17:05:28 | Order Output | 100.00% | 100.00% | |
| 14 | 2018-02-05 23:56:11 | Input Collection and Problem Formulation | 100.00% | 20.00% | |
| 15 | 2018-02-06 0:02:26 | Summary Output | 100.00% | 60.00% | |
| 16 | 2018-02-06 0:03:23 | Order Output | 100.00% | 100.00% | |
| 17 | 2018-02-06 0:03:24 | Violations | 100.00% | 100.00% | |
| 18 | 2018-02-06 1:39:06 | Input Collection and Problem Formulation | 100.00% | 20.00% | |
| 19 | 2018-02-06 1:50:21 | Summary Output | 100.00% | 60.00% | |
| 20 | 2018-02-06 1:53:47 | Summary Output | 100.00% | 60.00% | |
| 21 | 2018-02-05 20:56:05 | Summary Output | 100.00% | 60.00% | |
| 22 | 2018-02-05 20:57:57 | Order Output | 100.00% | 100.00% | |
| 23 | 2018-02-08 16:51:00 | Input Collection and Problem Formulation | 100.00% | 20.00% | |
| 24 | 2018-02-08 16:55:52 | Summary Output | 100.00% | 60.00% | |
| 25 | 2018-02-08 16:56:51 | Order Output | 100.00% | 100.00% | |
| 26 | 2018-02-08 22:43:58 | Input Collection and Problem Formulation | 100.00% | 20.00% | |
| 27 | 2018-02-08 22:46:09 | Input Collection and Problem Formulation | 100.00% | 20.00% | |
| 28 | 2018-02-08 22:53:30 | Input Collection and Problem Formulation | 100.00% | 20.00% | |
| 29 | 2018-02-08 22:56:02 | Input Collection and Problem Formulation | 100.00% | 20.00% | |
| 30 | 2018-02-08 23:01:57 | Input Collection and Problem Formulation | 100.00% | 20.00% | |
| 31 | 2018-02-08 23:44:38 | Input Collection and Problem Formulation | 100.00% | 20.00% | |
| 32 | 2018-02-08 23:47:58 | Input Collection and Problem Formulation | 100.00% | 20.00% | |
| 33 | 2018-02-08 23:53:38 | Input Collection and Problem Formulation | 100.00% | 20.00% | |
| 34 | 2018-02-08 23:57:29 | Input Collection and Problem Formulation | 100.00% | 20.00% | |
| 35 | 2018-02-08 23:59:33 | Input Collection and Problem Formulation | 100.00% | 20.00% | |
| 36 | 2018-02-09 0:01:62 | Input Collection and Problem Formulation | 100.00% | 20.00% | |
| 37 | 2018-02-09 0:06:20 | Input Collection and Problem Formulation | 100.00% | 20.00% | |
| 38 | 2018-02-09 0:11:05 | Summary Output | 100.00% | 60.00% | |
| 39 | 2018-02-09 0:12:16 | Order Output | 100.00% | 100.00% | |
| 40 | 2018-02-09 0:18:50 | Input Collection and Problem Formulation | 100.00% | 20.00% | |
| 41 | 2018-02-09 0:23:41 | Summary Output | 100.00% | 60.00% | |
| 42 | 2018-02-09 0:25:10 | Order Output | 100.00% | 100.00% | |
| 43 | 2018-02-09 0:33:04 | Input Collection and Problem Formulation | 100.00% | 20.00% | |
| 44 | 2018-02-09 0:38:22 | Summary Output | 100.00% | 60.00% | |
| 45 | 2018-02-09 0:39:41 | Order Output | 100.00% | 100.00% | |
| 46 | 2018-02-09 0:41:50 | Input Collection and Problem Formulation | 100.00% | 20.00% | |

'Summary Output', 'Order Output' and 'Violations' will write on subsequent rows in this sheet at their respective timestamps. At the time you can expect updated values on 'Cloud Output Tab'

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TODO ▾

History ▾

Preferences ▾

Schedules ▾

Vendors ▾

Orders ▾

Progress ▾

ANALYZE THE INITIAL SUMMARY OF RESULTS

| | A | B | C | D | E | F | G | H | I | J |
|----|-------------------|--------------|------|-------|---|---------------------|--------------|---|---|---|
| 1 | Alicia's Tamales | Mole Meal | 0 | 9 | | Total Premium C | 53359.5 | | | |
| 2 | Alicia's Tamales | Tomale Meal | 0 | 9 | | Total Base Meal | 443133.15 | | | |
| 3 | Amaweele's South | standardMeal | 3208 | 8.75 | | COGS | 496492.65 | | | |
| 4 | Asian Bowls | standardMeal | 2620 | 8 | | GMV | 847949 | | | |
| 5 | Ayola | standardMeal | 0 | 12.5 | | %Ratio | 0.5855218207 | | | |
| 6 | Bamboo Asia | standardMeal | 0 | 8.75 | | # of Volume Vendors | 17 | | | |
| 7 | Barzotto | standardMeal | 4807 | 7 | | | | | | |
| 8 | Bayshore Taquer | standardMeal | 0 | 12 | | | | | | |
| 9 | Bin's Kitchen | standardMeal | 886 | 8.5 | | | | | | |
| 10 | Bistro SF Grill | standardMeal | 2342 | 6.25 | | | | | | |
| 11 | Blue Front Cafe | standardMeal | 3931 | 6.75 | | | | | | |
| 12 | Breaking Bread | standardMeal | 0 | 8.75 | | | | | | |
| 13 | Burma Bear | standardMeal | 361 | 8.25 | | | | | | |
| 14 | Chaibaa Thai | standardMeal | 0 | 9 | | | | | | |
| 15 | Chez Julien | standardMeal | 0 | 11 | | | | | | |
| 16 | Chouque's | standardMeal | 211 | 10 | | | | | | |
| 17 | City Smoke Hou | standardMeal | 0 | 11 | | | | | | |
| 18 | Comal | standardMeal | 0 | 9.25 | | | | | | |
| 19 | Country Grill | standardMeal | 0 | 9.5 | | | | | | |
| 20 | Creative Ideas C | standardMeal | 0 | 11 | | | | | | |
| 21 | Dabba | standardMeal | 6498 | 6.2 | | | | | | |
| 22 | Destino | standardMeal | 1339 | 8.5 | | | | | | |
| 23 | Dinosaurs Sand | standardMeal | 0 | 9.25 | | | | | | |
| 24 | Dosa | standardMeal | 0 | 8.5 | | | | | | |
| 25 | Dragon Beaux | standardMeal | 0 | 10 | | | | | | |
| 26 | Eirenea | standardMeal | 737 | 10 | | | | | | |
| 27 | El Buen Comer | standardMeal | 729 | 8.5 | | | | | | |
| 28 | El Sur | standardMeal | 619 | 8.75 | | | | | | |
| 29 | Elmina Rosticer | standardMeal | 288 | 10 | | | | | | |
| 30 | Farm Hill | standardMeal | 2433 | 8.5 | | | | | | |
| 31 | Fearless | standardMeal | 1487 | 8.25 | | | | | | |
| 32 | Freshroll | standardMeal | 0 | 9 | | | | | | |
| 33 | Gabriele Muselli | standardMeal | 2178 | 7 | | | | | | |
| 34 | Gigabites | standardMeal | 0 | 11 | | | | | | |
| 35 | Gilbert's Rotiss | standardMeal | 0 | 10 | | | | | | |
| 36 | Green Bar | standardMeal | 0 | 8.5 | | | | | | |
| 37 | Green Tiffin | standardMeal | 0 | 9.0 | | | | | | |
| 38 | Guerilla Catering | standardMeal | 0 | 9.25 | | | | | | |
| 39 | Halal Guys | standardMeal | 0 | 12.5 | | | | | | |
| 40 | Hi Neighbor Cax | standardMeal | 0 | 11.33 | | | | | | |
| 41 | Hyaaal | standardMeal | 0 | 12 | | | | | | |
| 42 | Hot Spud | standardMeal | 0 | 11.9 | | | | | | |
| 43 | Hwano | standardMeal | 2991 | 8 | | | | | | |
| 44 | Jackrabbit | standardMeal | 0 | 10 | | | | | | |
| 45 | Kasa | standardMeal | 0 | 9.75 | | | | | | |
| 46 | Kate's Kitchen | standardMeal | 2166 | 8 | | | | | | |

Total Premium Costs - Aggregate costs of Extras
 Total Base Meal - Costs of all meals assigned at their respective price, considering volume pricing
 $\text{COGS} = \text{Total Premium Costs} + \text{Total Base Meal}$
 $\text{GMV} = \text{Total of the GMV for all orders actually assigned by the Order Engine}$
 $\% \text{Ratio} = \text{COGS} / \text{GMV}$
 $\# \text{ of Volume Vendors} = \text{The amount of vendors that have meals assigned to them in which they at least met their Tier 1 price}$

This tab will automatically appear with a timestamp reflecting the latest run.

*This sheet will populate about 2 minutes before the values in the 'Cloud Output' actually update.

If the Engine was told not to assign a meal to a certain schedule, or if the Engine found it 'impossible' to assign a meal to a schedule, then the cell will be colored red and 'NA' will appear as the value

READING THE ASSIGNMENTS

Columns M-O give information about:
M - How often the 'schedule' or 'organization' (if marked accordingly in the 'schedules' tab) ordered this month.
N - How many vendors must be cycled through until any vendor can be repeated without incurring a penalty
O - How 'far' away the assigned vendor is from the last time that vendor was assigned (units are in orders). If the vendor has never been assigned to that schedule, then the default value is 100

to that schedule, then the default value is 100

| | A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R | S | T | U | V | W | X | Y | Z |
|----|---------------------------------|-------|---------------|------------|-------------|-----------------------------|--------------|-------------------|--------------------|---------------------|--------------------|---------------------------|--------------------------|----------|----------------------------|----------------------------|--------------------------|---------------------------|-----------------------------|-------------------|-------|---|---|---|---|---|
| 1 | Schedule | Index | Customer | Date | Time | Meal | Vendor | Menu | General Cuisine ID | Specific Cuisine ID | Customer Frequency | Customer Vendor Threshold | Customer Vendor Distance | Hit/Miss | Available Vendors | Vendor History | Customer General History | Customer Specific History | Customer Preference History | Premium Costs | | | | | | |
| 2 | 159 Solutions-12:35:00-16:15:00 | 0 | 159 Solutions | 2018-02-02 | 12:35:00 PM | 16 Barzotto | standardMeal | Italian | European | | 4 | 12 | 100 | 88 | standardMeal-161500-161500 | Barzotto | Italian | European | Italian | 0.00 | | | | | | |
| 3 | 159 Solutions-12:35:00-16:15:00 | 1 | 159 Solutions | 2018-02-09 | 12:35:00 PM | 16 Bistro SF Grill | standardMeal | American | American | | 4 | 12 | 100 | 88 | standardMeal-161500-161500 | Bistro SF Grill | American | American | American | 0.00 | | | | | | |
| 5 | 159 Solutions-12:35:00-16:15:00 | 3 | 159 Solutions | 2018-02-16 | 12:35:00 PM | 16 Destino | standardMeal | Latin American | Latin | | 4 | 12 | 100 | 88 | standardMeal-161500-161500 | Destino | Latin American | Latin | Latin | 0.00 | | | | | | |
| 6 | 159 Solutions-12:35:00-16:15:00 | 4 | 159 Solutions | 2018-02-23 | 12:35:00 PM | 16 Slider Shack | standardMeal | Hawaiian | Tropical | | 4 | 12 | 100 | 88 | standardMeal-161500-161500 | Slider Shack | Hawaiian | Tropical | Tropical | 0.00 | | | | | | |
| 8 | Abakus-11:30:00-15:14:00 | 6 | 4 Abakus | 2018-02-02 | 11:30:00 AM | 15 L'chaim Foods | standardMeal | Japanese | Asian | | 4 | 12 | 100 | 88 | standardMeal-151400-151400 | L'chaim Foods | Japanese | Asian | Asian | 0.00 | | | | | | |
| 9 | Abakus-11:30:00-15:14:00 | 7 | 5 Abakus | 2018-02-09 | 11:30:00 AM | 15 Dabba | standardMeal | Globally Inspired | Globally Inspired | | 4 | 12 | 100 | 88 | standardMeal-151400-151400 | Dabba | Globally Inspired | Globally Inspired | Globally Inspired | 0.00 | | | | | | |
| 10 | Abakus-11:30:00-15:14:00 | 8 | 6 Abakus | 2018-02-15 | 11:30:00 AM | 15 West of Pecos | standardMeal | Mexican | Latin | | 4 | 12 | 100 | 88 | standardMeal-151400-151400 | West of Pecos | Mexican | Latin | Latin | 0.00 | | | | | | |
| 11 | Abakus-11:30:00-15:14:00 | 9 | 7 Abakus | 2018-02-22 | 11:30:00 AM | 15 Bistro SF Grill | standardMeal | American | American | | 4 | 12 | 100 | 88 | standardMeal-151400-151400 | Bistro SF Grill | American | American | American | 0.00 | | | | | | |
| 12 | Adjust-12:00:00-15:15:00 | 10 | 8 Adjust | 2018-02-01 | 12:00:00 PM | 15 Asian Bowls | standardMeal | Asian | Asian | | 4 | 12 | 100 | 88 | standardMeal-151500-151500 | Asian Bowls | Asian | Asian | Asian | 0.00 | | | | | | |
| 13 | Adjust-12:00:00-15:15:00 | 11 | 9 Adjust | 2018-02-08 | 12:00:00 PM | 15 Dabba | standardMeal | Globally Inspired | Globally Inspired | | 4 | 12 | 100 | 88 | standardMeal-151500-151500 | Dabba | Globally Inspired | Globally Inspired | Globally Inspired | 0.00 | | | | | | |
| 14 | Adjust-12:00:00-15:15:00 | 12 | 10 Adjust | 2018-02-15 | 12:00:00 PM | 15 Bistro SF Grill | standardMeal | American | American | | 4 | 12 | 100 | 88 | standardMeal-151500-151500 | Bistro SF Grill | American | American | American | 0.00 | | | | | | |
| 15 | Adjust-12:00:00-15:15:00 | 13 | 11 Adjust | 2018-02-22 | 12:00:00 PM | 15 West of Pecos | standardMeal | Mexican | Latin | | 4 | 12 | 100 | 88 | standardMeal-151500-151500 | West of Pecos | Mexican | Latin | Latin | 0.00 | | | | | | |
| 16 | Airtable-12:15:00-26:51:50 | 14 | 14 Airtable | 2/5/2018 | 12:15:00 PM | 26 NA | NA | NA | NA | | | | | | | | | | | | | | | | | |
| 17 | Airtable-12:15:00-26:51:50 | 15 | 15 Airtable | 2/6/2018 | 12:15:00 PM | 26 NA | NA | NA | NA | | | | | | | | | | | | | | | | | |
| 18 | Airtable-12:15:00-26:51:50 | 16 | 16 Airtable | 2/12/2018 | 12:15:00 PM | 26 NA | NA | NA | NA | | | | | | | | | | | | | | | | | |
| 19 | Airtable-12:15:00-26:51:50 | 17 | 17 Airtable | 2/13/2018 | 12:15:00 PM | 26 NA | NA | NA | NA | | | | | | | | | | | | | | | | | |
| 20 | Airtable-12:15:00-26:51:50 | 18 | 18 Airtable | 2/19/2018 | 12:15:00 PM | 26 NA | NA | NA | NA | | | | | | | | | | | | | | | | | |
| 21 | Airtable-12:15:00-26:51:50 | 19 | 19 Airtable | 2/20/2018 | 12:15:00 PM | 1/25/00 | NA | NA | NA | NA | | | | | | | | | | | | | | | | |
| 22 | Airtable-12:15:00-26:51:50 | 20 | 20 Airtable | 2/26/2018 | 12:15:00 PM | 0:00:00 | NA | NA | NA | NA | | | | | | | | | | | | | | | | |
| 23 | Airtable-12:15:00-26:51:50 | 21 | 21 Airtable | 2/27/2018 | 12:15:00 PM | 26 NA | NA | NA | NA | | | | | | | | | | | | | | | | | |
| 24 | Airware-12:00:00-55:12:00 | 22 | 12 Airware | 2018-02-02 | 12:00:00 PM | 55 Barzotto | standardMeal | Italian | European | | 12 | 18 | 100 | 82 | standardMeal-551200-551200 | Barzotto | Italian | European | European | 27.50 | | | | | | |
| 25 | Airware-12:00:00-55:12:00 | 23 | 13 Airware | 2018-02-09 | 12:00:00 PM | 55 Dabba | standardMeal | Globally Inspired | Globally Inspired | | 12 | 18 | 100 | 82 | standardMeal-551200-551200 | Dabba | Globally Inspired | Globally Inspired | Globally Inspired | 27.50 | | | | | | |
| 26 | Airware-12:00:00-55:12:00 | 24 | 14 Airware | 2018-02-16 | 12:00:00 PM | 55 Bistro SF Grill | standardMeal | American | American | | 12 | 18 | 100 | 82 | standardMeal-551200-551200 | Bistro SF Grill | American | American | American | 27.50 | | | | | | |
| 27 | Airware-12:00:00-55:12:00 | 25 | 15 Airware | 2018-02-23 | 12:00:00 PM | 55 Asian Bowls | standardMeal | Asian | Asian | | 12 | 18 | 100 | 82 | standardMeal-551200-551200 | Asian Bowls | Asian | Asian | Asian | 27.50 | | | | | | |
| 28 | Airware-12:00:00-55:12:00 | 26 | 16 Airware | 2018-03-01 | 12:00:00 PM | 55 West of Pecos | standardMeal | Mexican | Latin | | 12 | 18 | 100 | 82 | standardMeal-551200-551200 | West of Pecos | Mexican | Latin | Latin | 27.50 | | | | | | |
| 29 | Airware-12:00:00-55:12:00 | 27 | 17 Airware | 2018-03-08 | 12:00:00 PM | 55 Rosemunde Sausage Grill | standardMeal | German | European | | 12 | 18 | 100 | 82 | standardMeal-551200-551200 | Rosemunde Sausage Grill | German | European | European | 27.50 | | | | | | |
| 30 | Airware-12:00:00-55:12:00 | 28 | 18 Airware | 2018-03-15 | 12:00:00 PM | 55 Amawelle's South African | standardMeal | South African | African | | 12 | 18 | 100 | 82 | standardMeal-551200-551200 | Amawelle's South African | South African | African | African | 27.50 | | | | | | |
| 31 | Airware-12:00:00-55:12:00 | 29 | 19 Airware | 2018-03-22 | 12:00:00 PM | 55 Kate's Kitchen | standardMeal | American | American | | 12 | 18 | 100 | 82 | standardMeal-551200-551200 | Kate's Kitchen | American | American | American | 27.50 | | | | | | |
| 32 | Airware-12:00:00-55:12:00 | 30 | 20 Airware | 2018-03-29 | 12:00:00 PM | 55 Hwano | standardMeal | Korean | Asian | | 12 | 18 | 100 | 82 | standardMeal-551200-551200 | Hwano | Korean | Asian | Asian | 27.50 | | | | | | |
| 33 | Airware-12:00:00-55:12:00 | 31 | 21 Airware | 2018-04-05 | 12:00:00 PM | 55 Destino | standardMeal | Latin American | Latin | | 12 | 18 | 100 | 82 | standardMeal-551200-551200 | Destino | Latin American | Latin | Latin | 27.50 | | | | | | |
| 34 | Airware-12:00:00-55:12:00 | 32 | 22 Airware | 2018-04-12 | 12:00:00 PM | 55 Trattoria da Vittorio | standardMeal | Italian | European | | 12 | 18 | 21 | 6 | standardMeal-551200-551200 | Trattoria da Vittorio | Italian | European | European | 27.50 | | | | | | |
| 35 | Airware-12:00:00-55:12:00 | 33 | 23 Airware | 2018-04-19 | 12:00:00 PM | 55 Radio Africa & Kitchen | standardMeal | North African | African | | 12 | 18 | 21 | 3 | standardMeal-551200-551200 | Radio Africa & Kitchen | North African | African | African | 27.50 | | | | | | |
| 36 | Alloy PD-11:30:00-29:51:00 | 34 | 24 Alloy PD | 2018-02-06 | 11:30:00 AM | 29 Barzotto | standardMeal | Italian | European | | 4 | 12 | 14 | 2 | standardMeal-295100-295100 | Barzotto | Italian | European | European | 0.00 | | | | | | |
| 37 | Alloy PD-11:30:00-29:51:00 | 35 | 25 Alloy PD | 2018-02-13 | 11:30:00 AM | 29 Dabba | standardMeal | Globally Inspired | Globally Inspired | | 4 | 12 | 18 | 0 | standardMeal-295100-295100 | Dabba | Globally Inspired | Globally Inspired | Globally Inspired | 0.00 | | | | | | |
| 38 | Alloy PD-11:30:00-29:51:00 | 36 | 26 Alloy PD | 2018-02-20 | 11:30:00 AM | 29 West of Pecos | standardMeal | Mexican | Latin | | 4 | 12 | 100 | 88 | standardMeal-295100-295100 | West of Pecos | Mexican | Latin | Latin | 0.00 | | | | | | |
| 39 | Alloy PD-11:30:00-29:51:00 | 37 | 27 Alloy PD | 2018-02-27 | 11:30:00 AM | 29 L'chaim Foods | standardMeal | Japanese | Asian | | 4 | 12 | 100 | 88 | standardMeal-295100-295100 | L'chaim Foods | Japanese | Asian | Asian | 0.00 | | | | | | |
| 40 | Amplitude-12:00:00-15:15:00 | 38 | 38 Amplitude | 2/5/2018 | 12:00:00 PM | 15 NA | NA | NA | NA | | | | | | | | | | | | | | | | | |
| 41 | Amplitude-12:00:00-15:15:00 | 39 | 28 Amplitude | 2018-02-05 | 12:00:00 PM | 90 Barzotto | standardMeal | Italian | European | | 8 | 16 | 21 | 5 | standardMeal-151500-151500 | Barzotto | Italian | European | European | 45.00 | | | | | | |
| 42 | Amplitude-12:00:00-15:15:00 | 41 | 29 Amplitude | 2018-02-06 | 12:00:00 PM | 0:00:00 | Dabba | standardMeal | Globally Inspired | Globally Inspired | | 8 | 16 | 100 | 84 | standardMeal-151500-151500 | Dabba | Globally Inspired | Globally Inspired | Globally Inspired | 45.00 | | | | | |
| 43 | Amplitude-12:00:00-15:15:00 | 43 | 43 Amplitude | 2/12/2018 | 12:00:00 PM | 15 NA | NA | NA | NA | | | | | | | | | | | | | | | | | |
| 44 | Amplitude-12:00:00-15:15:00 | 44 | 30 Amplitude | 2018-02-12 | 12:00:00 PM | 90 Hwano | standardMeal | Korean | Asian | | 8 | 16 | 100 | 84 | standardMeal-151500-151500 | Hwano | Korean | Asian | Asian | 45.00 | | | | | | |

Columns Q-U give information about:
Q - Based on the vendor-related constraints, which vendors are actually available to assign this schedule
R - Keeps track of the Schedule's unique history. In the case that 'Organization' is chosen as the preferred assignment perspective in the 'Schedules' tab, then this history reflects the organization's order history.
S, T, U, V - Self Explanatory

Premium costs reflect both the schedule's orders for Extras and the assigned Vendor's pricing for extras.

+ ☰ TODO ▾ History ▾ Preferences ▾ Schedules ▾ Vendors ▾ Orders ▾ Progress ▾ Cloud Output ▾ Manual Summary ▾ Sheet32 ▾ With Improvements from CSM ▾ 11:17:42: Summary ▾ 11:17:52: Summary ▾ 11:18:07: Summary ▾

Columns Q-U give information about:
Q - Based on the vendor-related constraints, which vendors are actually available to assign this schedule
R - Keeps track of the Schedule's unique history. In the case that 'Organization' is chosen as the preferred assignment perspective in the 'schedules' tab, then this history reflects the organization's order history.
S, T, U, V - Self Explanatory

Premium costs reflect both the schedule's orders for Extras and the assigned Vendor's pricing for extras.

MAINTAIN AWARENESS OF SUMMARY DATA AS ACCOUNT MANAGERS MAKE CHANGES

These reflect the total amount of meals assigned to each vendor for the month

These values will update automatically when values in the 'Cloud Output' tab are made.
(They're pivot tables)

The 'Orders per Date' Column reflects how many orders are assigned to each vendor on each date.

Likewise, the 'Meals per Day' column reflects the total amount of meals assigned to the vendor on each day.

[illegible]

Red =
Customers

Blue = Vendors

