

Power Platform App

This project showcases an integrated Coffee Machine Ordering and Approver System built using various Microsoft Power Platform tools:

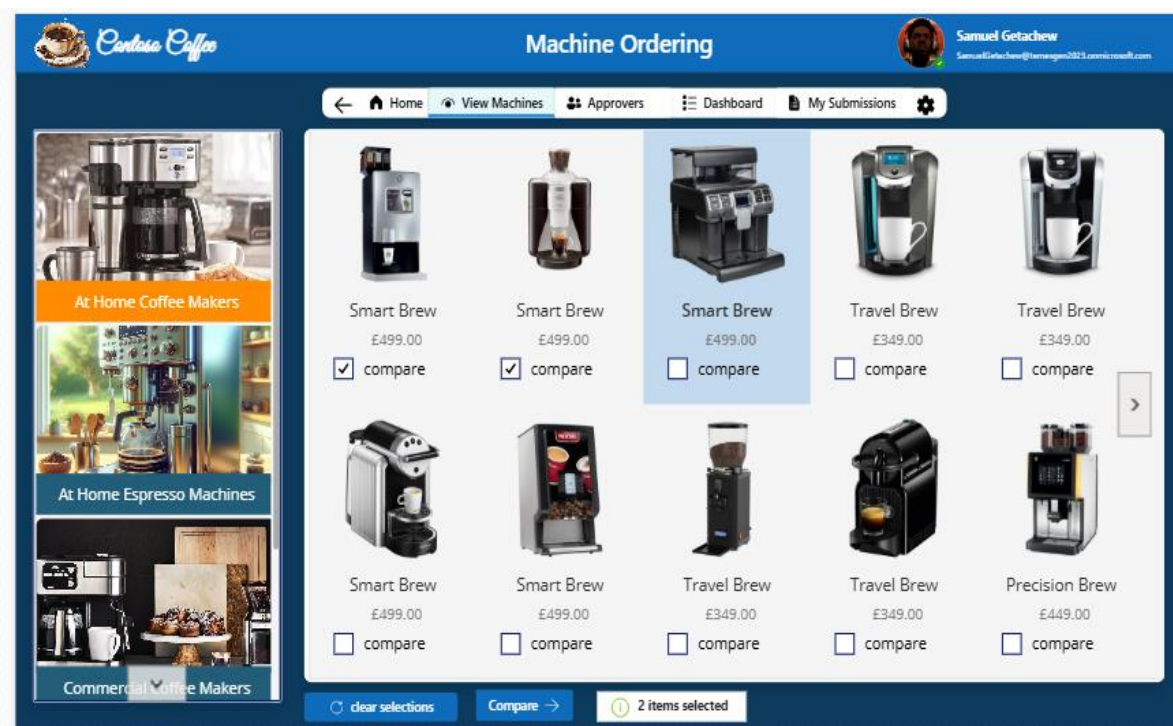
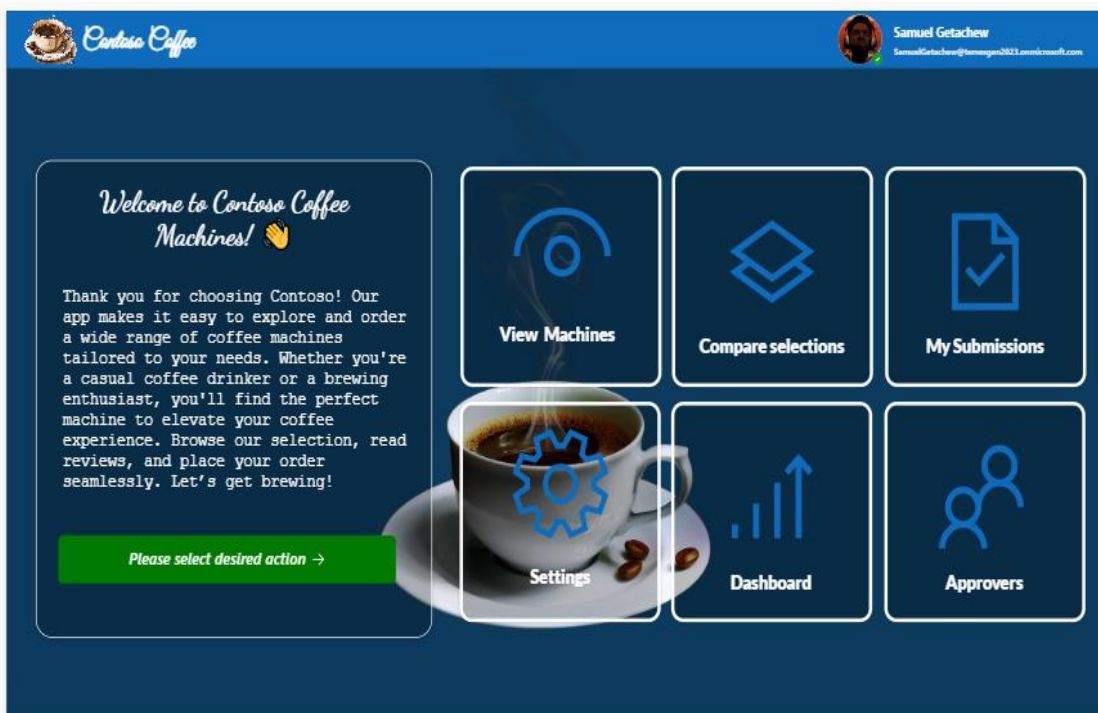
- **Power Apps:** Used to build a responsive and intuitive front-end application that allows users to submit machine requests, view dashboards, and track orders.
- **Power Automate:** Automates the approval workflow, notification emails, and backend processes to streamline machine ordering and approvals.
- **Microsoft Dataverse:** Serves as the centralized data platform for storing machine types, submissions, approval records, and user roles.
- **Power BI Dashboard:** Included in the solution is a **Power BI Dashboard** that visualizes:
 - Coffee Machine usage and order trends.
 - Departmental contributions by approver.
 - Machine type distribution and average cups served per week.

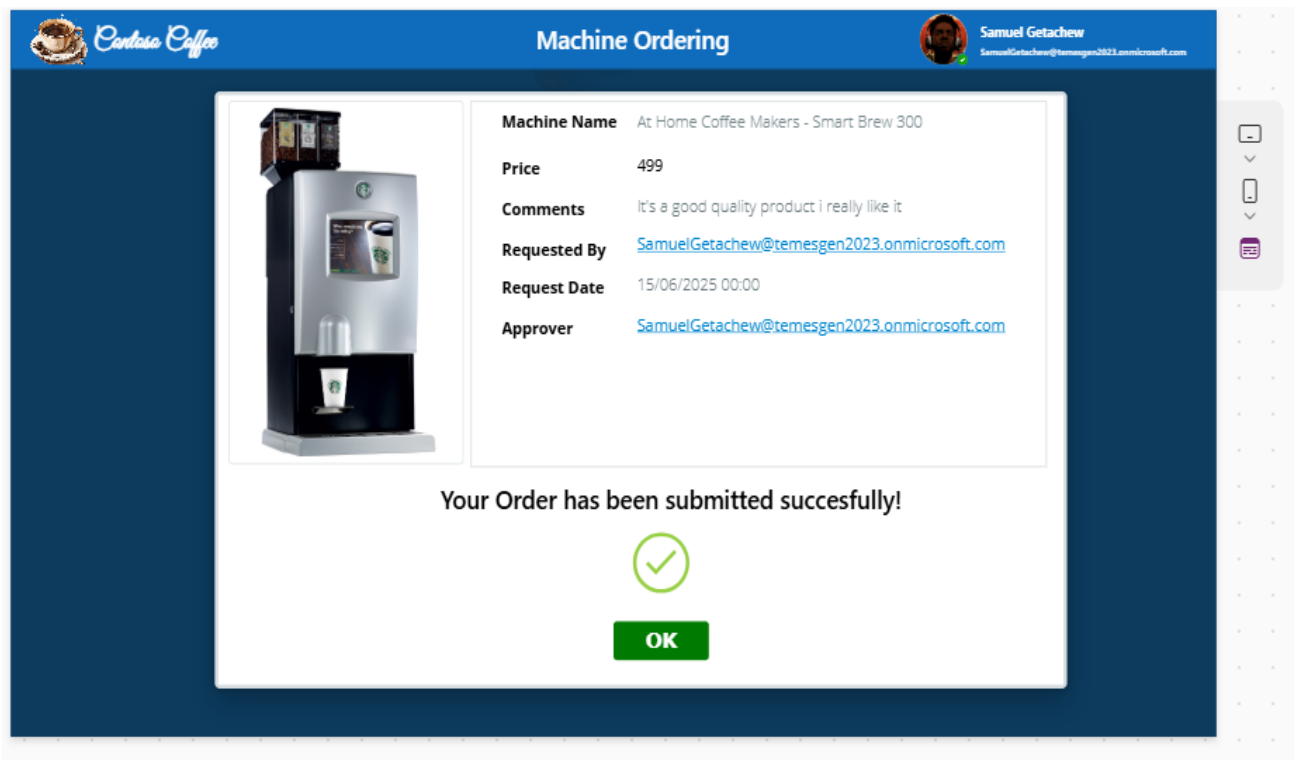
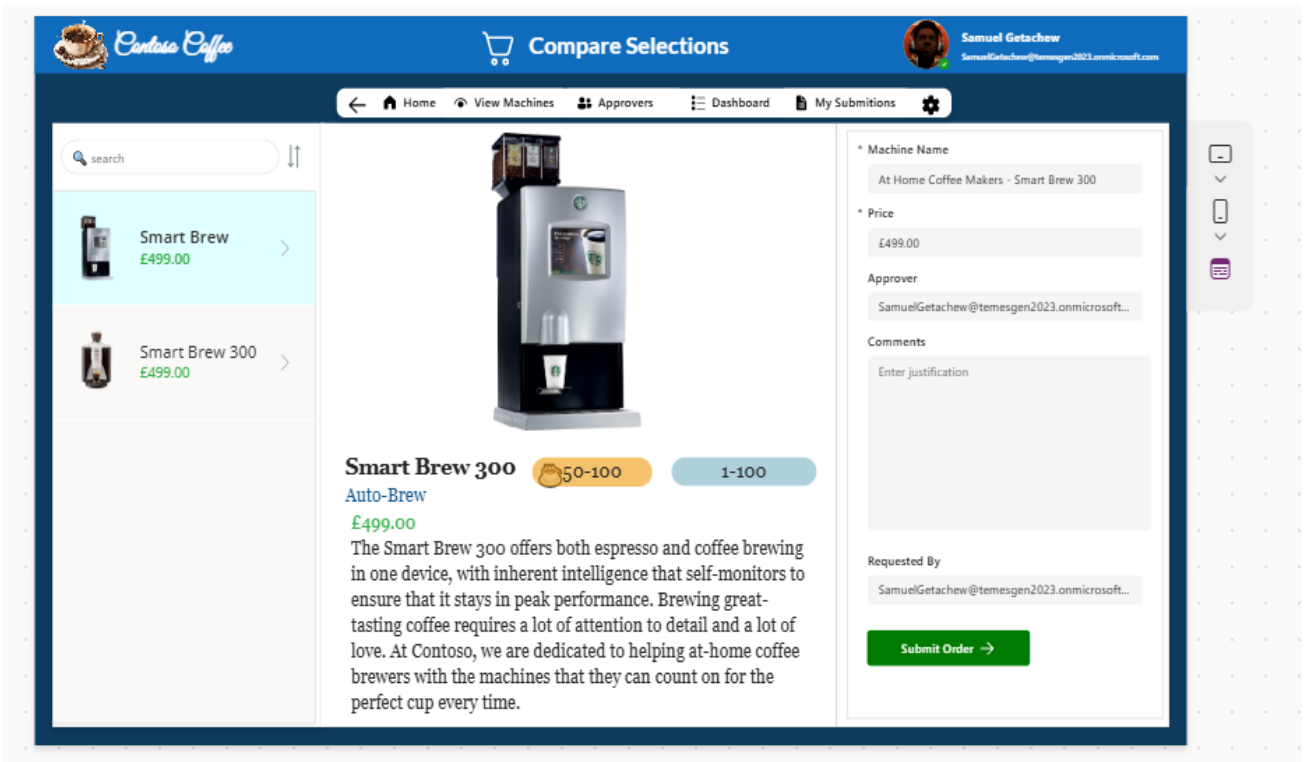
The dashboard provides interactive insights, making it easy for stakeholders to monitor machine demand and departmental activity.

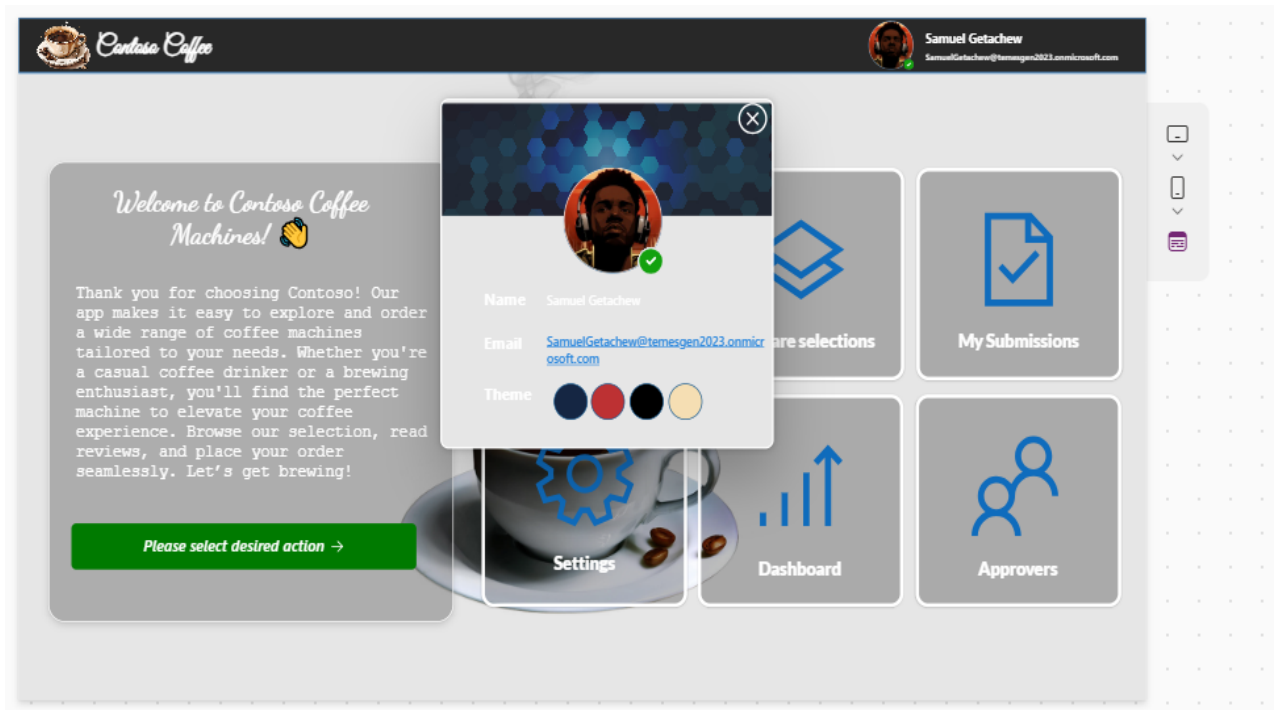
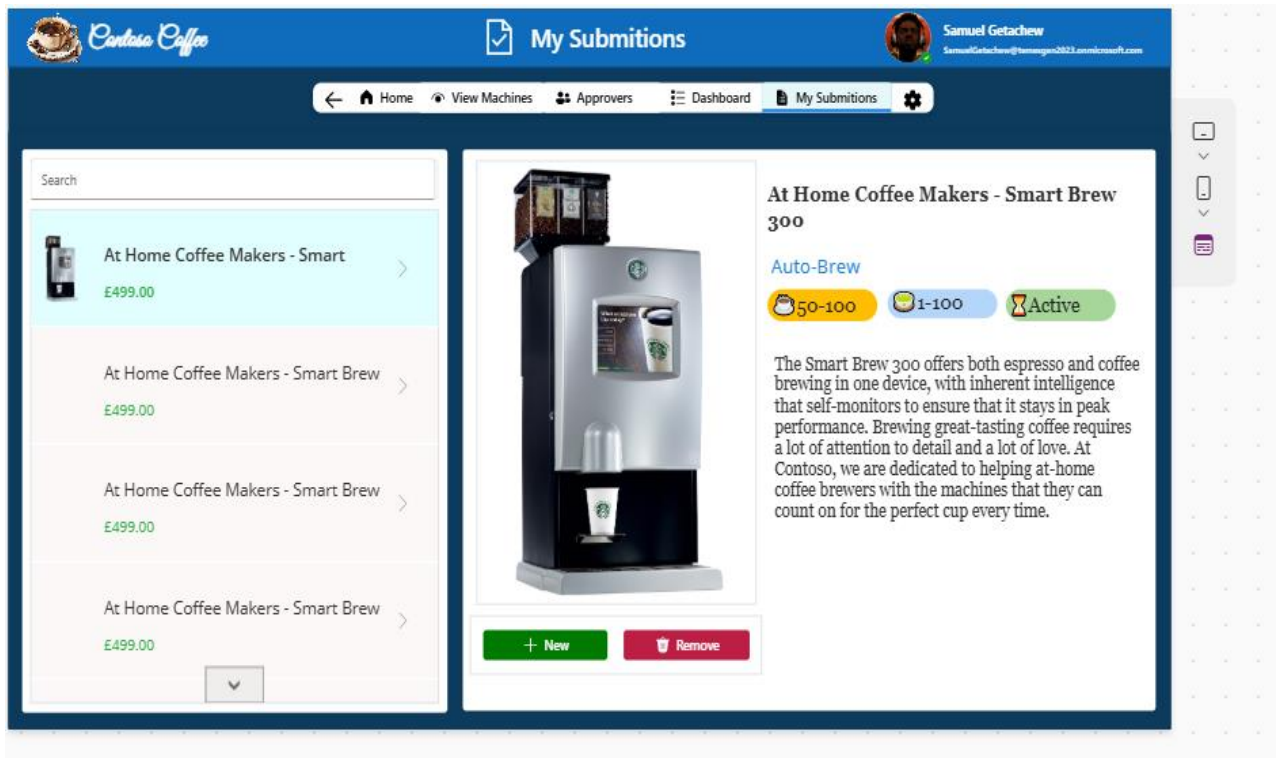
Video Demonstration

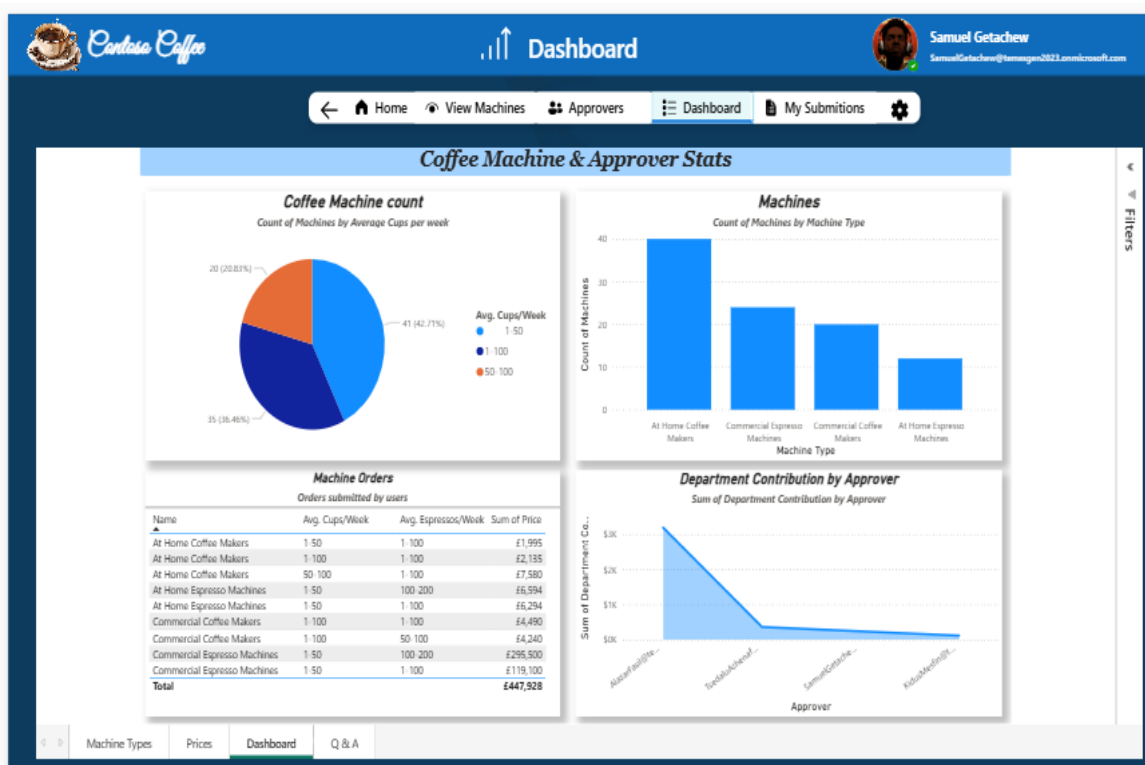
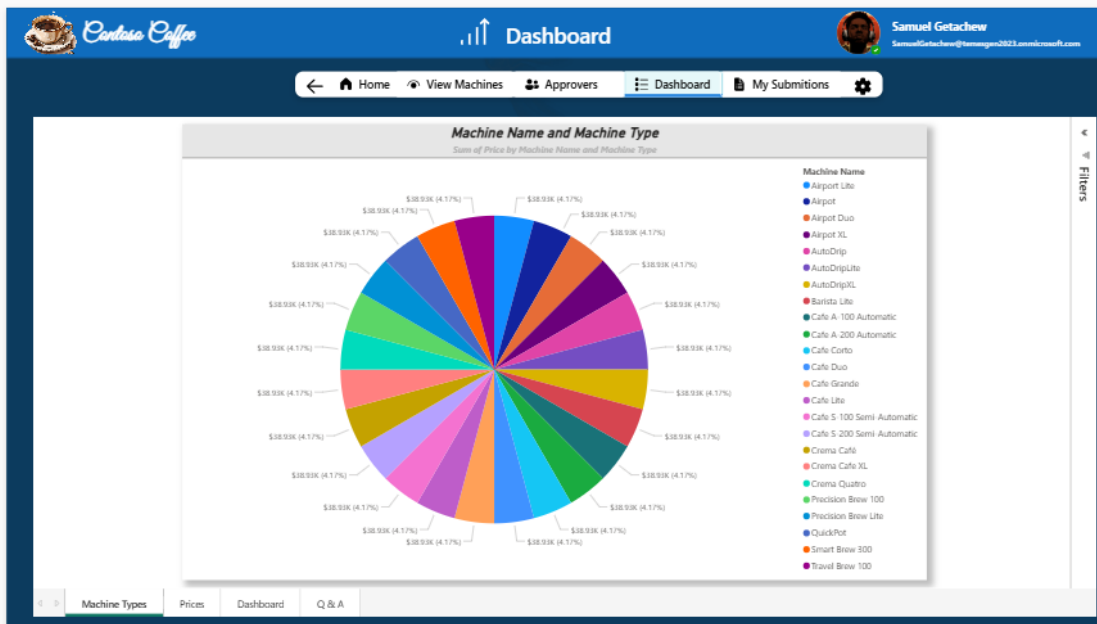
A full walkthrough of the application and dashboard is available on YouTube:


 [Watch the Demo on YouTube](https://youtu.be/8ybRFSrq3eM) / <https://youtu.be/8ybRFSrq3eM>












Contasa Coffee

Dashboard

Samuel Getachew
SamuelGetachew@temesgen2023.onmicrosoft.com

[←](#) [Home](#) [View Machines](#) [Approvers](#) [Dashboard](#) [My Submissions](#) 

Question & Answer

Try one of these to get started

number of owners

average price (base)

how many machines are there

show the maximum machine price

how many requested by are there

how many machine types are there


Show all suggestions


\$1.85K
Average Price


21
Total Orders


\$38.93K
Financial Value by Process


[Machine Types](#) [Prices](#) [Dashboard](#) [Q & A](#)

Contasa Coffee


Approvers

Samuel Getachew
SamuelGetachew@temesgen2023.onmicrosoft.com

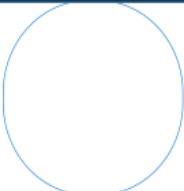
[←](#) [Home](#) [View Machines](#) [Approvers](#) [Dashboard](#) [My Submissions](#) 



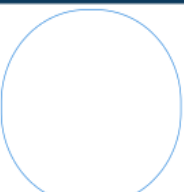
Samuel Getachew
SamuelGetachew@temesgen2023.onmicrosoft.com




Siham Mohammed
SihamMohammed@temesgen2023.onmicrosoft.com



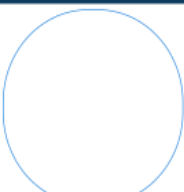
Test yo
Testyo@temesgen2023.onmicrosoft.com



Thomas Alebachew

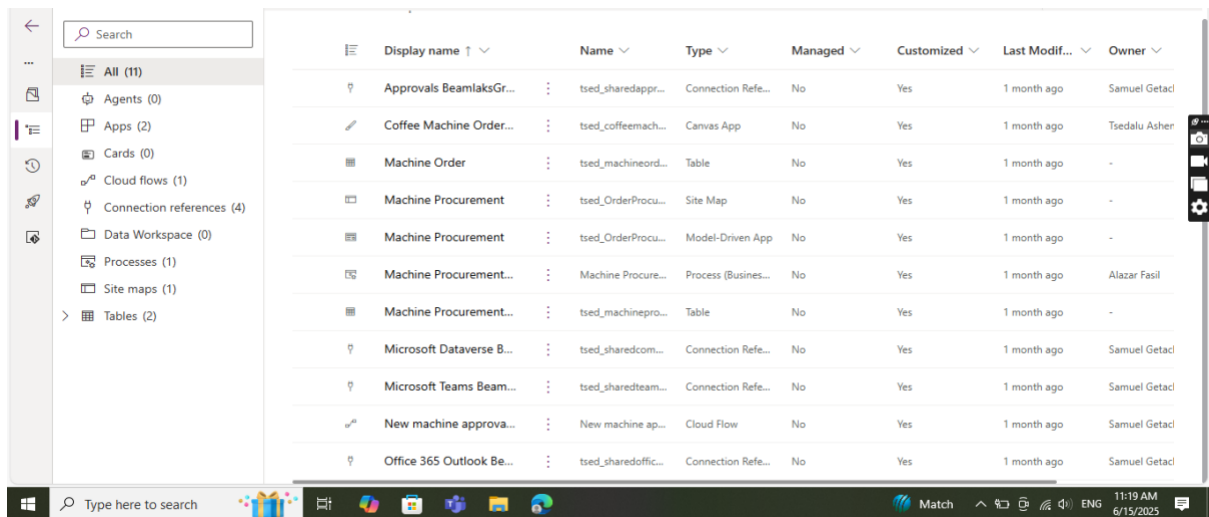


Tsedalu Ashenafi



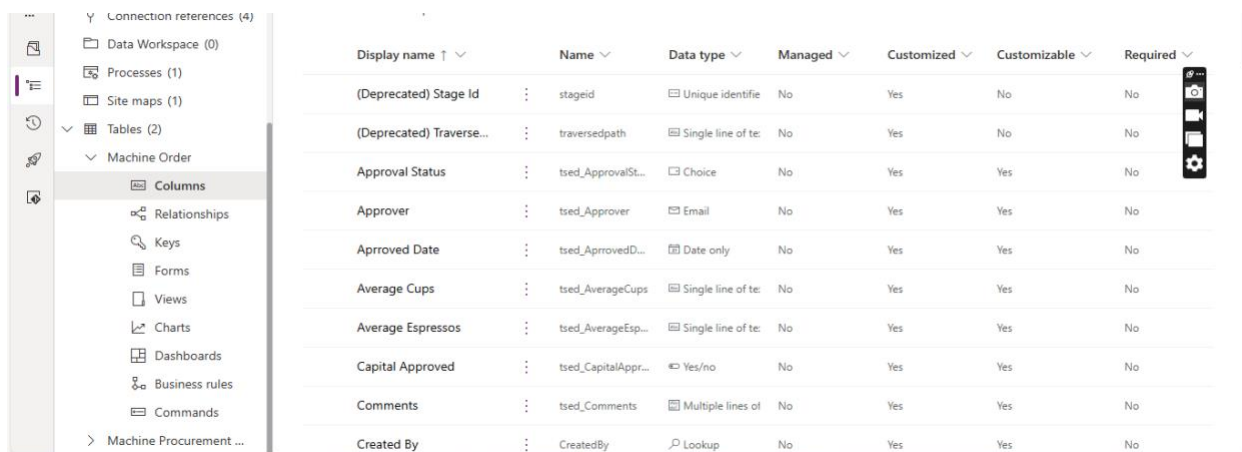
Yabsira Misganaw

Microsoft Dataverse



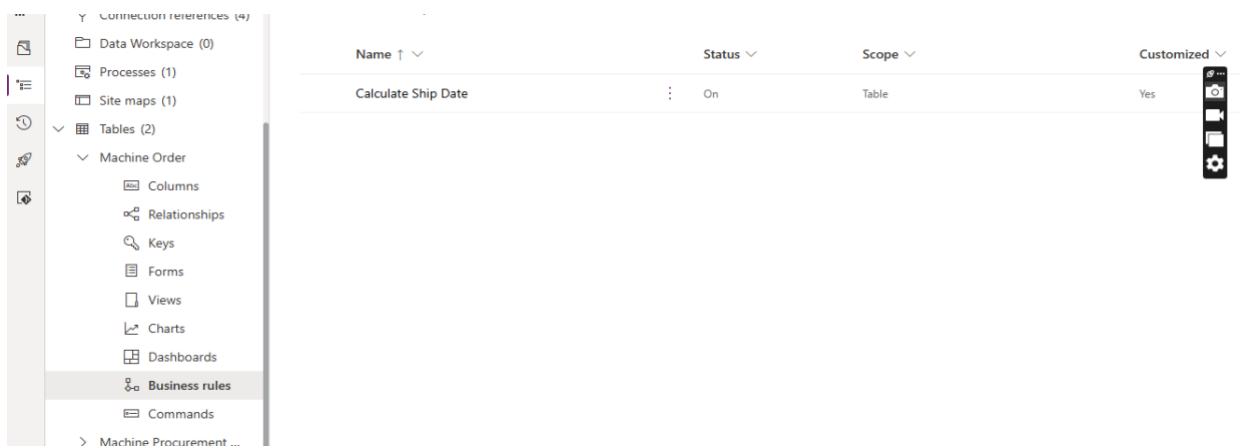
This screenshot shows the Microsoft Dataverse main view. On the left is a navigation pane with a search bar and a list of entity types: All (11), Agents (0), Apps (2), Cards (0), Cloud flows (1), Connection references (4), Data Workspace (0), Processes (1), Site maps (1), and Tables (2). The main area displays a table of entities with columns: Display name, Name, Type, Managed, Customized, Last Modified, and Owner. The table lists various entities including Approvals, Coffee Machine Order, Machine Order, Machine Procurement, Microsoft Dataverse B..., Microsoft Teams Beam..., New machine approva..., and Office 365 Outlook Be....

Display name	Name	Type	Managed	Customized	Last Modified	Owner
Approvals BeamIaksGr...	tsed_sharedappr...	Connection Refe...	No	Yes	1 month ago	Samuel Getad
Coffee Machine Order...	tsed_coffeemach...	Canvas App	No	Yes	1 month ago	Tsedalu Asher
Machine Order	tsed_machineord...	Table	No	Yes	1 month ago	-
Machine Procurement	tsed_OrderProcu...	Site Map	No	Yes	1 month ago	-
Machine Procurement	tsed_OrderProcu...	Model-Driven App	No	Yes	1 month ago	-
Machine Procurement...	Machine Procure...	Process (Busines...	No	Yes	1 month ago	Alazar Fasil
Machine Procurement...	tsed_machinepro...	Table	No	Yes	1 month ago	-
Microsoft Dataverse B...	tsed_sharedcom...	Connection Refe...	No	Yes	1 month ago	Samuel Getad
Microsoft Teams Beam...	tsed_sharedteam...	Connection Refe...	No	Yes	1 month ago	Samuel Getad
New machine approva...	New machine ap...	Cloud Flow	No	Yes	1 month ago	Samuel Getad
Office 365 Outlook Be...	tsed_sharedoffic...	Connection Refe...	No	Yes	1 month ago	Samuel Getad



This screenshot shows the 'Columns' view for the 'Machine Order' entity. The left navigation pane is expanded to show 'Columns' under 'Machine Order'. The main area displays a table of columns with columns: Display name, Name, Data type, Managed, Customized, Customizable, and Required. The table lists columns such as (Deprecated) Stage Id, (Deprecated) Traverse..., Approval Status, Approver, Approved Date, Average Cups, Average Espressos, Capital Approved, Comments, and Created By.

Display name	Name	Data type	Managed	Customized	Customizable	Required
(Deprecated) Stage Id	stageid	Unique identifie	No	Yes	No	No
(Deprecated) Traverse...	traversedpath	Single line of te	No	Yes	No	No
Approval Status	tsed_ApprovalSt...	Choice	No	Yes	Yes	No
Approver	tsed_Approver	Email	No	Yes	Yes	No
Approved Date	tsed_ApprovedD...	Date only	No	Yes	Yes	No
Average Cups	tsed_AverageCups	Single line of te	No	Yes	Yes	No
Average Espressos	tsed_AverageEsp...	Single line of te	No	Yes	Yes	No
Capital Approved	tsed_CapitalAppr...	Yes/no	No	Yes	Yes	No
Comments	tsed_Comments	Multiple lines of	No	Yes	Yes	No
Created By	CreatedBy	Lookup	No	Yes	Yes	No



This screenshot shows the 'Business rules' view for the 'Machine Order' entity. The left navigation pane is expanded to show 'Business rules' under 'Machine Order'. The main area displays a table of business rules with columns: Name, Status, Scope, and Customized. The table lists a single business rule named 'Calculate Ship Date'.

Name	Status	Scope	Customized
Calculate Ship Date	On	Table	Yes

Table columns

Search

New table column

Show only unused table columns

Approval Status

Approved Date

Average Cups

Average Espressos

Capital Approved

Comments

Created By

Created By (Delegate)

Created On

Currency

Department Contribution

Department Contribution (Base)

New Machine Order

Machine Order

Machine Procurement Pr...
Active for less than one mi...

Machine Requested (< 1 Min)

Place Order

General

Related

Machine Name * ---

Owner * [Samuel Getachew](#)

Approver ---

Information

Main form

Properties

Events

Table

Machine Order

Display Name

Information

Description

A form for this entity.

Max Width (pixels)

1,920

Show image

Commercial Espresso Machines - Cafe S-200 Semi-Automatic - Saved

Machine Order

Machine Procurement Pr...
Active for 22 minutes

Machine Requested (22 Min)

Capital Approval

Place Order

Receive Machine

Distribute Machine

General

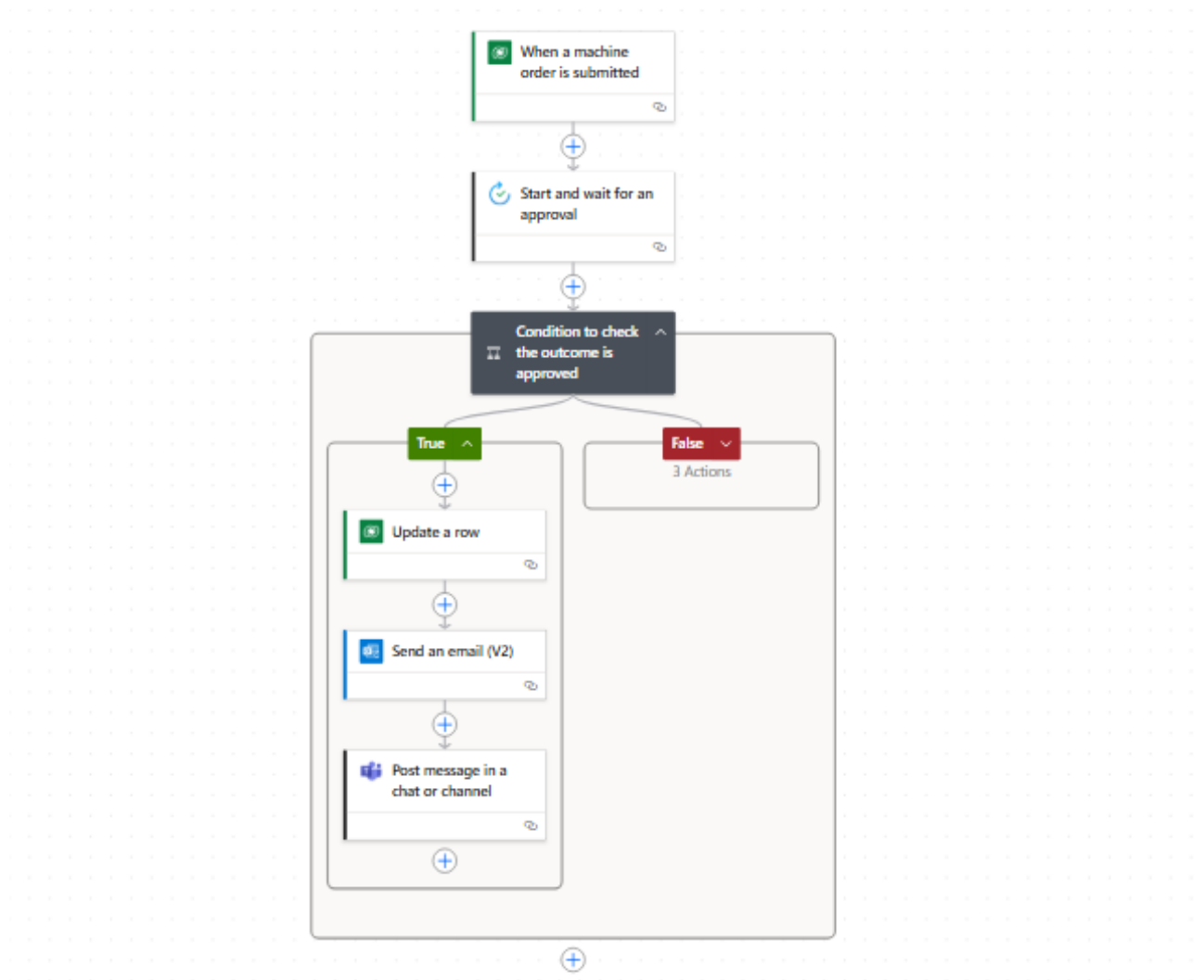
Related

Machine Name * Commercial Espresso Machines - Cafe S-200 Semi-Automatic

Owner * [Lab Admin1 \(Offline\)](#)

Approver [labadmin1@m365x43442151.onmicrosoft.com](#)

Power Automate



FocusedOther

8

Other Emails (1)
Microsoft Power Automate

Today

8

Microsoft Power Automate
New machine request for At Home ... 12:22 PM
SG Requested by Samuel Getachew Power Auto...

MA
Microsoft Power Automate
New machine request for At Home ... 10:27 AM
SG Requested by Samuel Getachew Power Auto...

Last week

MA
Microsoft Power Automate
Your flow is running too many actions Mon 6/9
Your flow is running too many actions Power Au...

This month

Microsoft Power Platform

New machine request for At Home Coffee Makers - Smart Brew 300

Approvals | Power Automate

New machine request for At Home Coffee Makers - Smart Br...

Requested by **Samuel Getachew**
<SamuelGetachew@temesgen2023.onmicrosoft.com>

Date Created Sunday, June 15, 2025 12:22 PM

A new machine has been requested
At Home Coffee Makers - Smart Brew 300, \$499
Department Contribution: \$49.9
Comments: It's a good quality product i really like it

ApproveReject

Get the Power Automate app to receive push notifications and grant approvals from anywhere. [Learn more](#). This message was created by a flow in Power Automate. Do not reply. Microsoft Corporation 2020.

ReplyForward

Today

Samuel Getachew

Your machine order has been approv... 1:12 PM

Your machine has been approved At Home Coff...

MA

Microsoft Power Automate

New machine request for At Home C... 12:22 PM

SG Requested by Samuel Getachew Power Auto...

Microsoft Power Automate

To: Samuel Getachew

Sun 6/15/2025 1:12 PM

Your machine has been approved **At Home Coffee Makers - Smart Brew 300**
Estimated ship date:
Approver: Samuel Getachew,
SamuelGetachew@temesgen2023.onmicrosoft.com Response: Approve Request
Date: Sunday, June 15, 2025 9:22:27 AM Response Date: Sunday, June 15, 2025 10:12:25 AM

Reply

Forward

All (11)

Agents (0)

Apps (2)

Cards (0)

Cloud flows (1)

Connection references (4)

Data Workspace (0)

Processes (1)

Site maps (1)

Tables (2)

Beamlak's Group > Apps

Display name ↑	Name	Type	Managed	Customized	Last Modif...	Owner
Coffee Machine Order...	tsed_coffeemach...	Canvas App	No	Yes	1 month ago	Tsedalu Ashena
Machine Procurement	tsed_OrderProcu...	Model-Driven App	No	Yes	1 month ago	-

Search

New

Navigation

Order

Machine Orders view

Machine Orders form

All other pages

Power Apps | Machine Procurement

Home Recent Pinned

Order

Machine Orders

Active Machine Orders

Machine Name	Created On	Approval Sta...	Estim:
At Home Coffee Makers - Precision Brew L...	4/26/2025 7:3...		
At Home Coffee Makers - Precision Brew L...	4/28/2025 11:...	Approve	5/1
At Home Coffee Makers - Precision Brew L...	4/24/2025 7:2...		
At Home Coffee Makers - Precision Brew L...	4/28/2025 11:...		
At Home Coffee Makers - QuickPot	4/27/2025 6:3...		

Rows: 34

Machine Orders

Home

Recent

Pinned

Order

Machine Orders

Show Chart

New

Delete

Refresh

Visualize this view

Email a Link

Flow

Share

Active Machine Orders

Edit columns

Edit filters

Filter by keyword

Machine Name	Created On	Approval Status	Estimated Ship Date	Price	Status
At Home Coffee Makers - AutoDripLite	4/27/2025 6:33 ...			Br149.00	Active
At Home Coffee Makers - AutoDripLite	5/1/2025 5:18 PM			Br149.00	Active
At Home Coffee Makers - Precision Brew Lite	4/26/2025 7:36 ...			Br399.00	Active
At Home Coffee Makers - Precision Brew Lite	4/28/2025 11:2...	Approve	5/12/2025	Br399.00	Active
At Home Coffee Makers - Precision Brew Lite	4/24/2025 7:24 ...			Br399.00	Active
At Home Coffee Makers - Precision Brew Lite	4/28/2025 11:2...				Active
At Home Coffee Makers - QuickPot	4/27/2025 6:33 ...			Br99.00	Active
At Home Coffee Makers - QuickPot	4/21/2025 12:5...			Br99.00	Active
At Home Coffee Makers - QuickPot	4/21/2025 1:47 ...			Br99.00	Active

Rows: 34

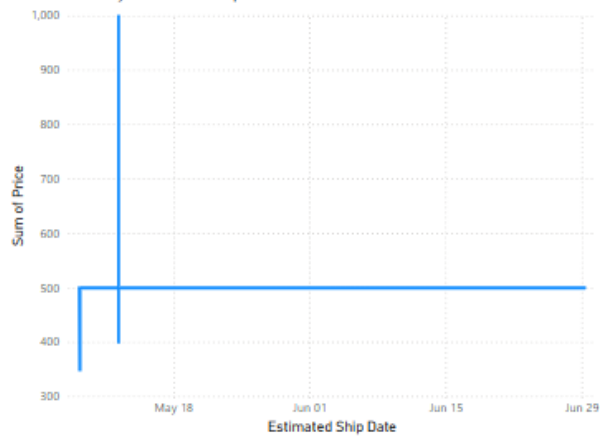
Quick summary

Active Machine Orders

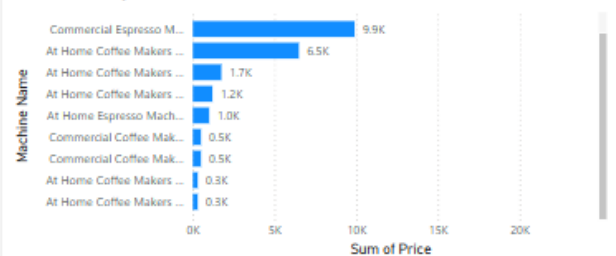
43,821.00
Sum of Price

10
Count of Machine Name

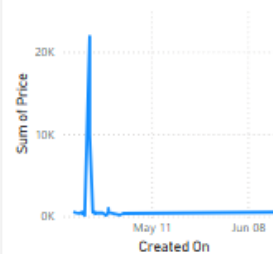
Sum of Price by Estimated Ship Date



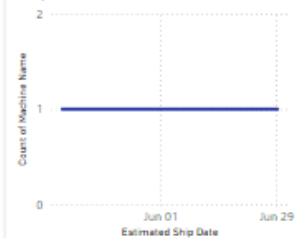
Sum of Price by Machine Name



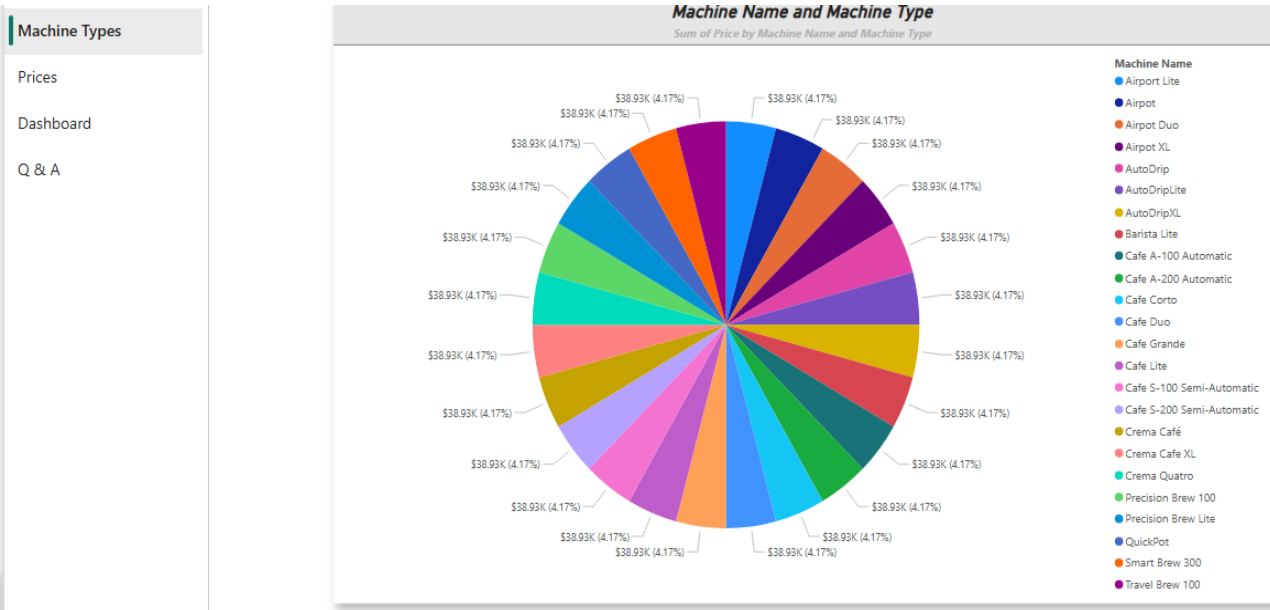
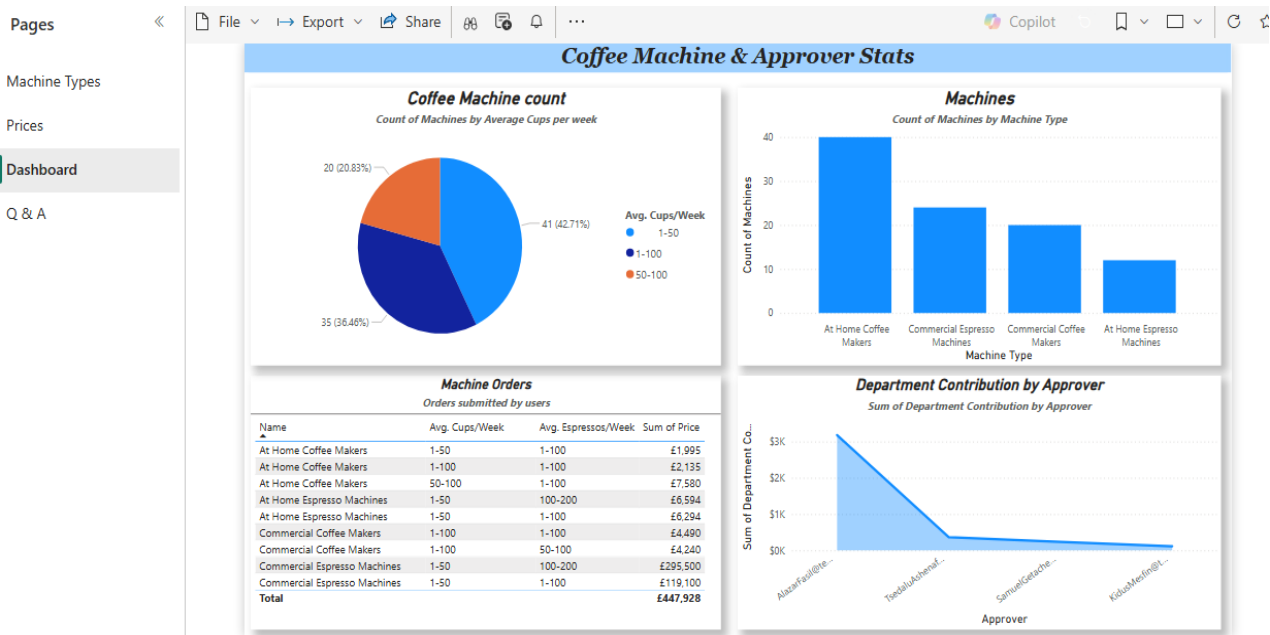
Sum of Price by Created On



Count of Machine Name by Estimated Ship Date



Power BI



Machine Types

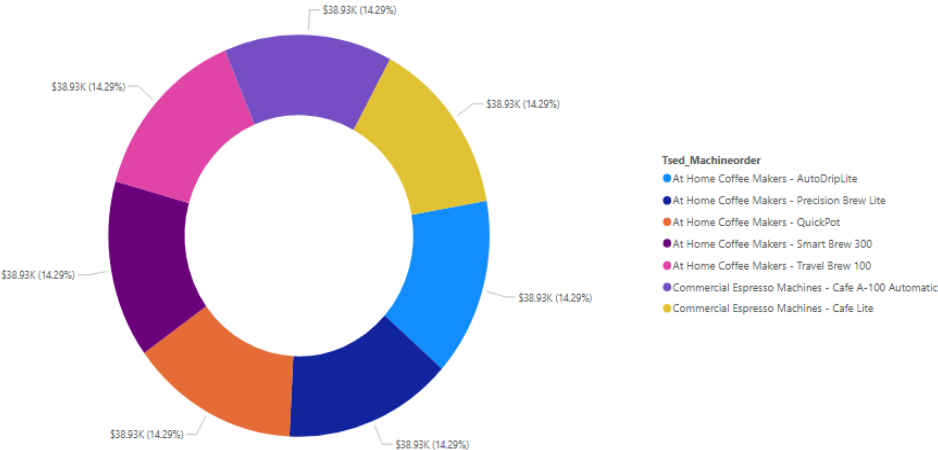
Prices

Dashboard

Q & A

Machine Order Prices

Sum of Price (Base) by Tsed_Machineorder



Machine Types

Prices

Dashboard

Q & A

Question & Answer

Ask a question about your data

Try one of these to get started

number of owners

average price (base)

how many machines are there

show the maximum machine price

how many requested by are there

how many machine types are there

Show all suggestions

\$1.85K

Average Price

21

Total Orders

\$38.93K

Finacial Value by Process