



POWERED BY  DUG

DYNAMICS CON LIVE

MAY 2024

Power Platform, AI Builder, and Cats

The background features a stylized landscape illustration. The sky is a gradient of blue, with numerous thin, light blue lines radiating from the top center towards the bottom. Below the sky is a layer of light blue, rounded clouds. The mountains are depicted in various shades of blue, with darker tones in the foreground and lighter tones in the distance. In the foreground, there are silhouettes of evergreen trees on a dark blue hillside.

Presented by:



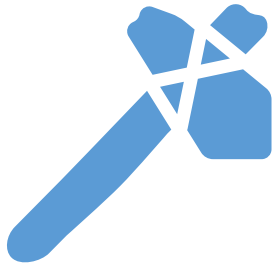
- Kylie Kiser
- Solution Architect
- RSM Canada



- Mallory Lawhorne,
- Senior Consultant
- Microsoft



Agenda

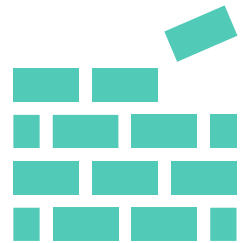


Introduction
to the tools



How can we
improve the app?

Live Build!



Q&A



Introductions

Microsoft Power Platform

The low-code platform that spans Office 365, Azure, Dynamics 365, and standalone applications
Innovation anywhere. Unlocks value everywhere.



Power BI

Business analytics



Power Apps

Application development

- Canvas Apps
- Model-driven Apps



Power Pages

Secure business websites



Power Automate

Process automation

- Cloud Flows & Teams Flows
- Business Process Flows
- Desktop Flows



Power Virtual Agents

Intelligent virtual agents



**Data
connectors**

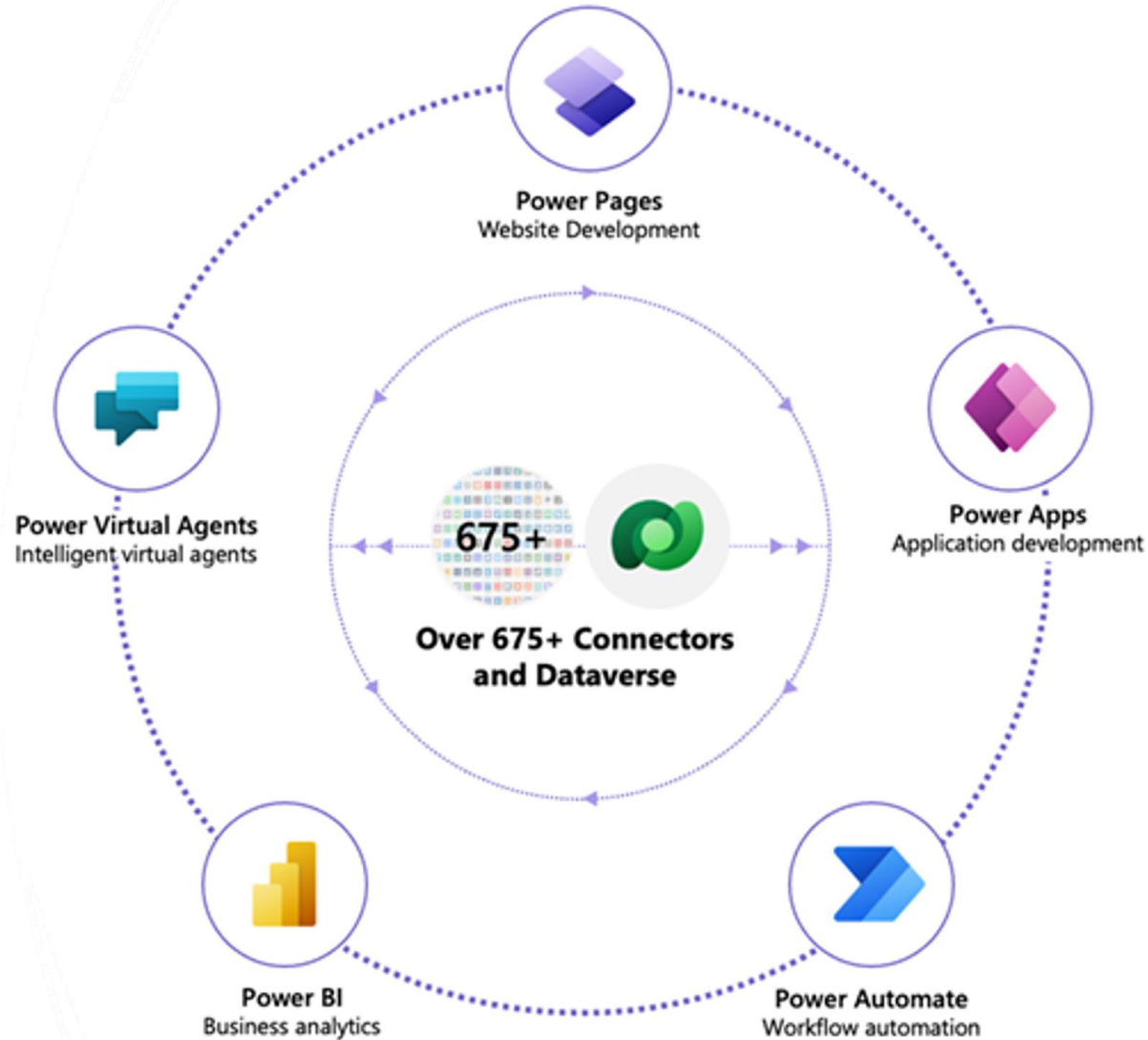


AI Builder



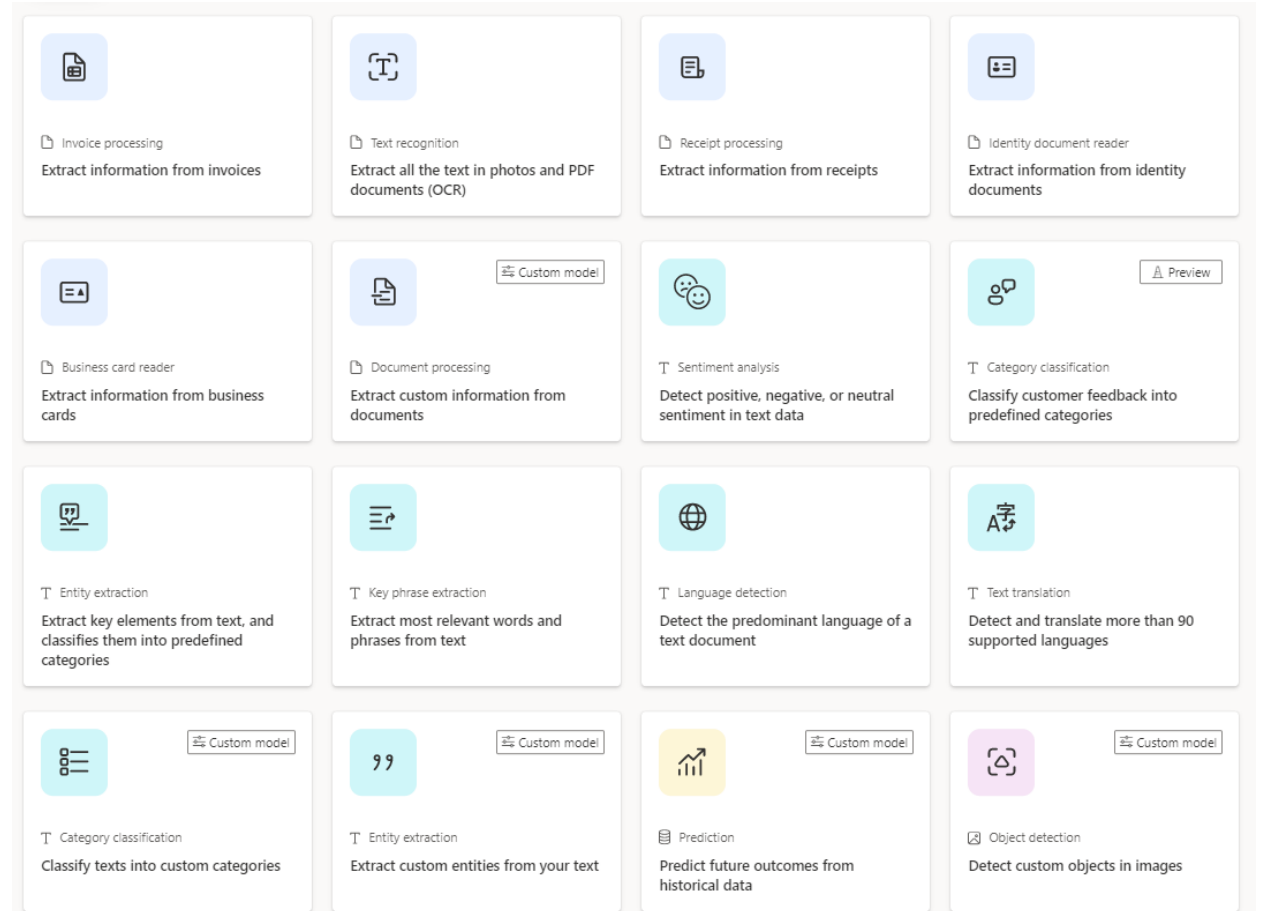
Dataverse

Powerful alone. Even better together.



AI Builder

- Part of the maker portal that allows the creation of AI models
- All point-and-click, no coding needed
- Prebuilt models available or custom
- Can be integrated with Power Apps or Power Automate
- Can be refined and trained further after use



AI Builder Object Detection Model



Determine if and how many of a particular object is in an image



Example: Streamline inventory management for retail



Need 15 images per object being tagged



Try to have varied images for the best accuracy

The screenshot shows the Power Apps AI Builder interface. The main window is titled "Detect custom objects in images". It contains a description: "Easily build, train and publish an object detection custom model to identify and locate custom object in images. Custom models are trained with your own data, so they're tailored to your business needs. Check out our [learn module](#) to get started with building a custom object detection model to detect and count objects in images." Below the text is an image of three tea boxes on a wooden surface. To the right of the image is a table showing the detected objects and their counts:

Object name	Object count
Green Tea Rose	1
Green Tea Mint	1
Green Tea Cinnamon	1

At the bottom of the interface, there are links for "View documentation" and "Get started".



Power Apps

- Canvas Apps for Pixel Perfect Design, connect to multiple data sources
- Model-Driven Apps for displaying Dataverse data

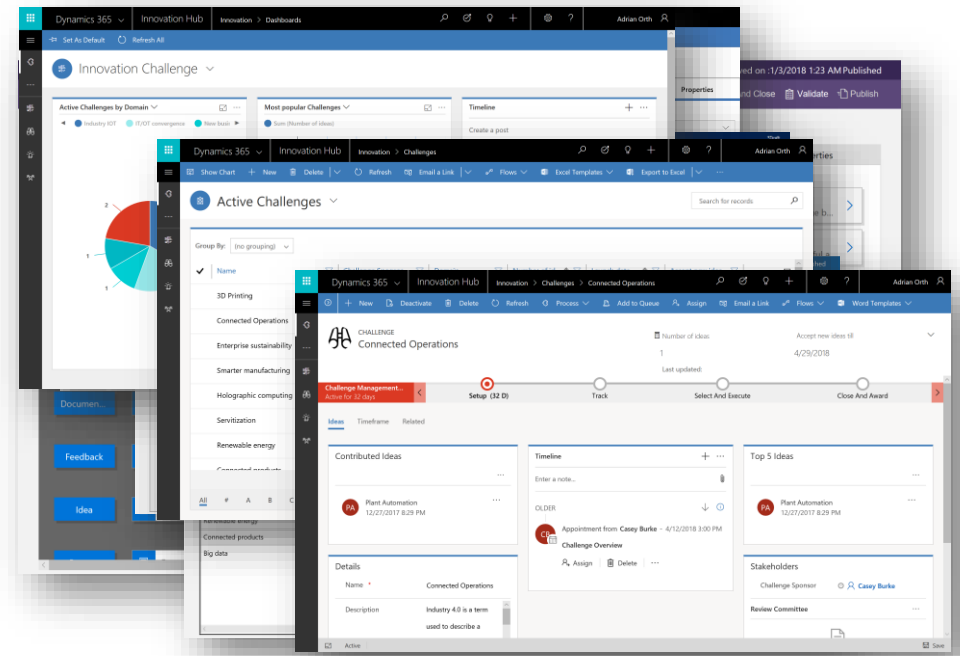


Power Apps



Canvas apps

- Start with user experience
- WYSIWYG designer
- Task- and role-based apps
- Mash up data from 200+ sources



Model-driven apps

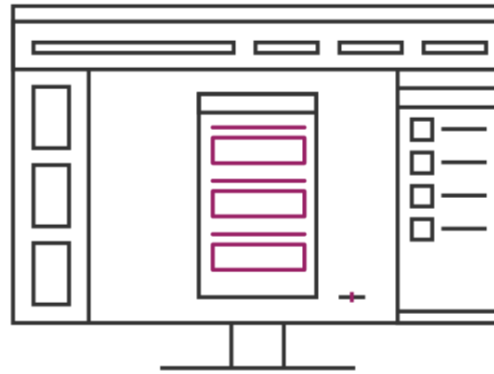
- Built on the Common Data Service for Apps
- Start with a data model, relationships, and business processes
- Build End-to-End business applications



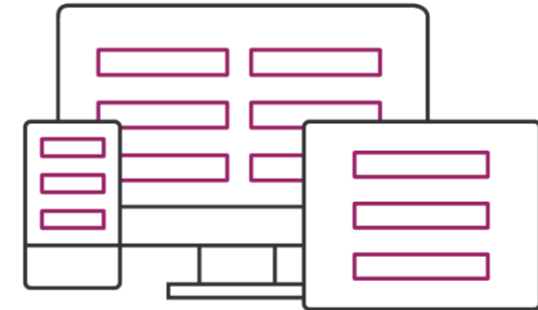
Canvas Apps help business-power-users to create and use custom business apps across platforms using Excel and PowerPoint skills



Connect to data & systems you're already using *easily*

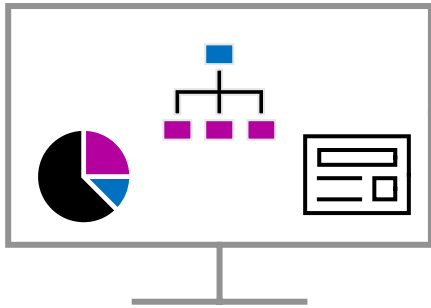


Create apps, forms, and workflows *without writing code*

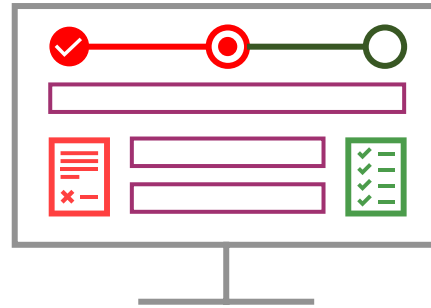


Use apps *on any device* – both web and mobile

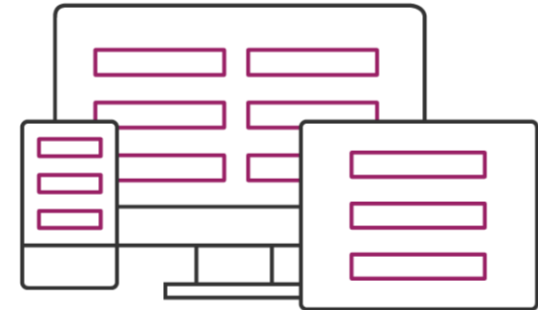
PowerApps Model-driven apps provides a metadata-driven architecture for creating and customizing apps without writing code



Rich component-focused no-code design environments



Easily add Business rules and Business process flows to model your business processes



Complex responsive apps on web and mobile

Meet Our Cats



Lady Godiva

Medium hair,
dilute Calico,
princess,

7:30 AM Wake up call



Drifter Kenneth Ellen
Parcell Lucifer
Lawhorne

Gray and White domestic
shorthair

Car engine singleton jerk
Hotboy with IBS



Floofers

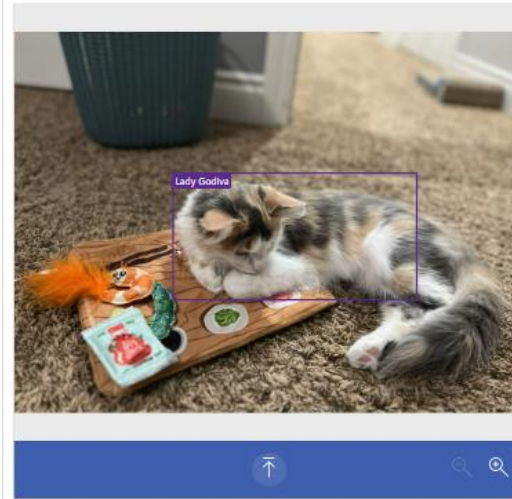
Brown tabby with White
Domestic Longhair
Asthmatic angel
Hot boy with IBS



Live Build

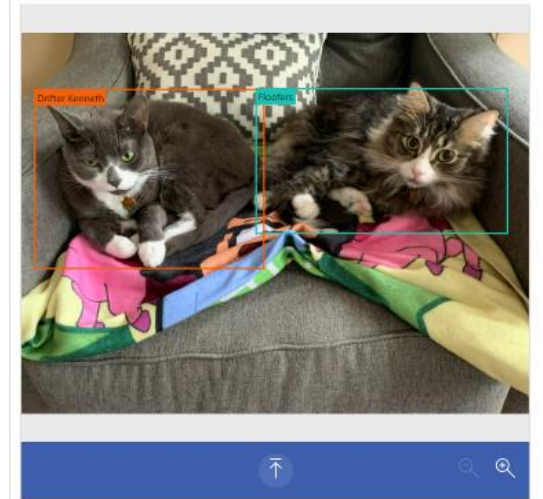
Our App

- Canvas Power App to identify cats



Cats in this Photo

Lady Godiva



Cats in this Photo

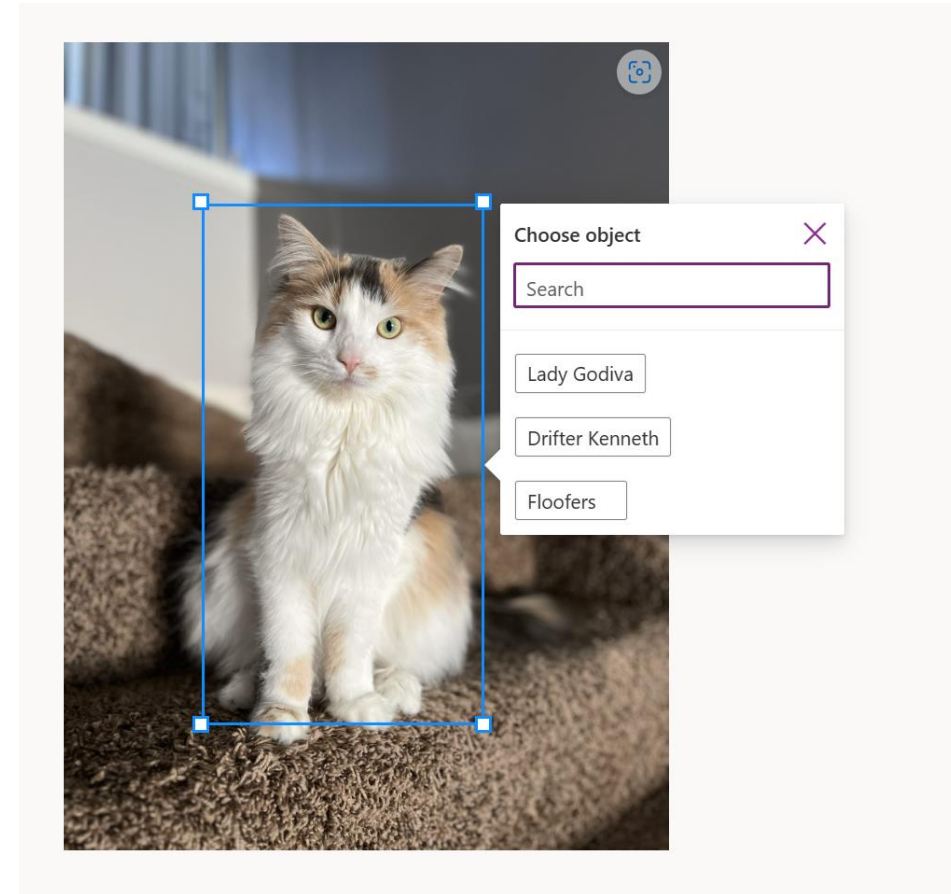
Drifter Kenneth

Floofers



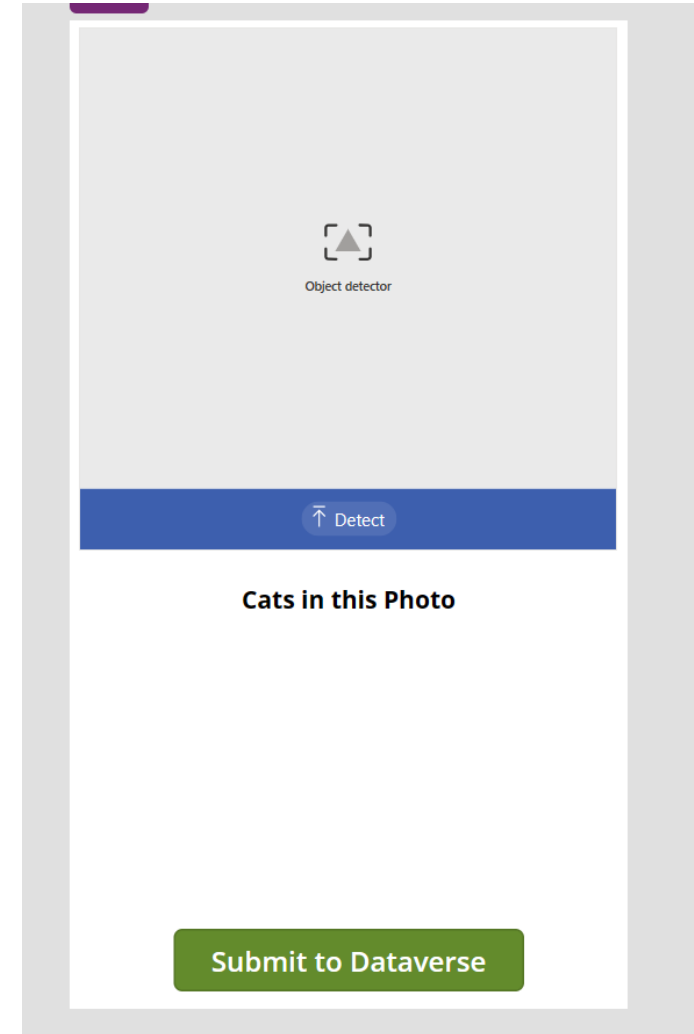
Demo: Object Detection Model

- Create new model
- Set up objects
- Train for a few cats



Demo: Power App

- Add created model into a Power App
- Retrieve returned data



Stretch Goal: Add to Dataverse

- Create Dataverse “Cat Photos” Table
- When Photo is added to the app, add to Dataverse

The screenshot shows a mobile application interface for adding a cat photo to a Dataverse table. The interface is divided into several sections:

- Header:** A profile icon for "test" with the text "Saved" and "Cat Photos". Below it are tabs for "General" and "Related".
- Form:** A form with three columns of input fields:
 - Column 1: "Lady Godiva" (No), "Lady Godiva Confidence" (---)
 - Column 2: "Floofers" (Yes), "Floofers Confidence" (0.85)
 - Column 3: "Drifter Kenneth" (Yes), "Drifter Kenneth Confidence" (0.88)
- Photo Section:** A section titled "Photo" containing a photo of two cats. Below the photo are "Open" and "Delete" buttons.
- Form Fields:** "Name*" (test) and "Owner*" (KK Kylie Kiser).
- Cats in this Photo:** A section with a photo of two cats and a list of identified cats: "Drifter Kenneth" and "Floofers". Below the list is a "Submit to Dataverse" button.



Next Steps

- Potential to make more generic to identify cat breeds
- Could be done via Power Automate on large volumes of images
- Images and tags could be saved in Dataverse



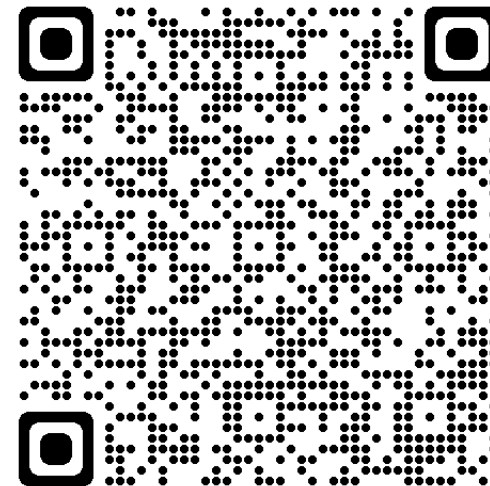
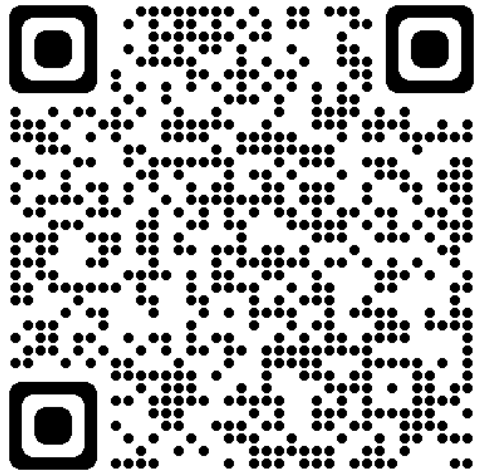
Key take-aways

- AI Builder is easy to get started with!
- Some models with no training or just point-and-click
- Models can easily be added into Canvas Power Apps



Suggested Resources

- Object Detector Documentation
- Introduction to AI in the Power Platform Presentation





Questions?

Thank you for attending!

Kylie Kiser

RSM Canada

Kylie.Kiser@RSMCanada.com

KylieKiser.com

Mallory Lawhorne

Microsoft

mallory.lawhorne@microsoft.com

