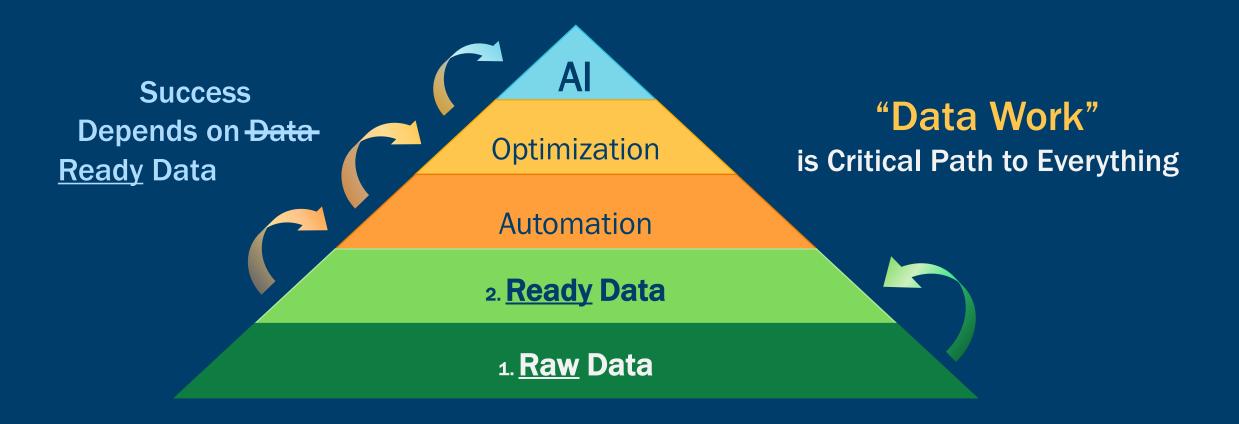


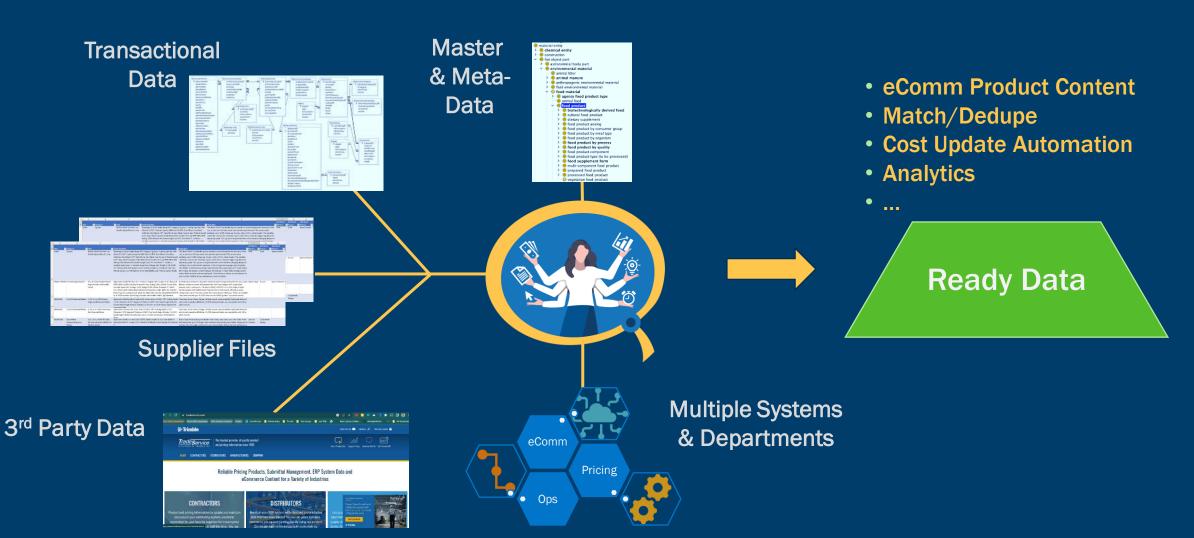
Automate Data Work with Al

Data is the Perfect Place to Start

Modern Distribution is Data Dependent



"Wrangling" Data is Hard Work



Leading Distributors Automating Data Work



- Client & catalog data work
- Auto-validate automation



 Auto-Classification & Standardization



ERP prod data to eComm ready



ERP product standardzn



3 Automation Solutions:
 Price books, Rebates, Cost files



- Classification
- eComm Titles & Descriptions
- Match/Dedupe



Hierarchy matching

Fencing Distributor

Item standardzn & matching



- Product standardization
- Match/Dedupe



Supplier Cost Automation

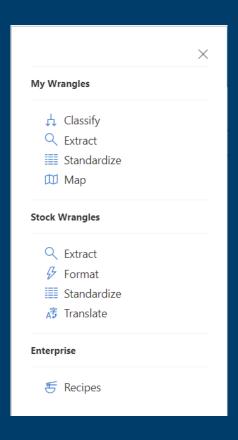


eComm standzn & enrichm

International JanSan

 eComm standzn & enrichment

Wrangles Platform: Core Capabilities



Wrangles

- Simple data transformations
- Semantic & structural (60+)
- Create and update in Excel (DIY)
- Classify, Extract, Standardize,
 Map, Format, Translate, ...
- Advanced (Bespoke) Wrangles leverage Al and Python
- There's a Wrangle for That!

Recipes

- Automation scripts (series of Wrangles)
- Read, Wrangles, Write (& Run)
- From/To Excel, apps, APIs, databases, ...
- Low-code authoring in Excel or Python IDE (yaml)
- Run from Excel or with Cloud automation
- Scalable, callable, extensible

Al-Powered Platform Capabilities

- Product Auto-Classification categorize items into your taxonomy / hierarchies
- Al-powered DIY Wrangles configurable prompts and OpenAl API to Extract & Standardize
- Product Description Writing generate online descriptions & features from raw product info
- Semantic Product Matching find similar / related products easily at scale
- Product Research Agent unattended web search returning rich product content
- Language Translation accurate translation from / to ~ 30 languages
- Schema Mapping Al suggests which columns map to which
- Marvin the Recipe Writer (beta) chat interface where AI writes Recipes for you

Wrangles Platform

WranglesCL

- Cloud hosting (AWS)
- Elastic compute
- Full automation using Github Actions

WranglesXL

- Core SaaS Product
- Excel is business UI (add-in)
- Al-Powered Wrangles & Recipes
- Easier to use than Excel itself
 - No Formulas
 - Sharable content



WranglesPY

- Platform core (Python)
- Primary developer interface
- Easily extensible
- Open Source (Apache)

Bespoke Wrangles

- Custom Al / ML models
- Trained with customer & WrWx reference data
- SaaS license includes ongoing updates

Automated Data Work is a Game Changer

Manual → **Data Treadmill**

- Lost Sales: incomplete eComm content
- Margin Leakage: slow cost updates
- · Poor Productivity: inefficient search, onboarding

Automated → **Rich, Reliable Data Feeds**

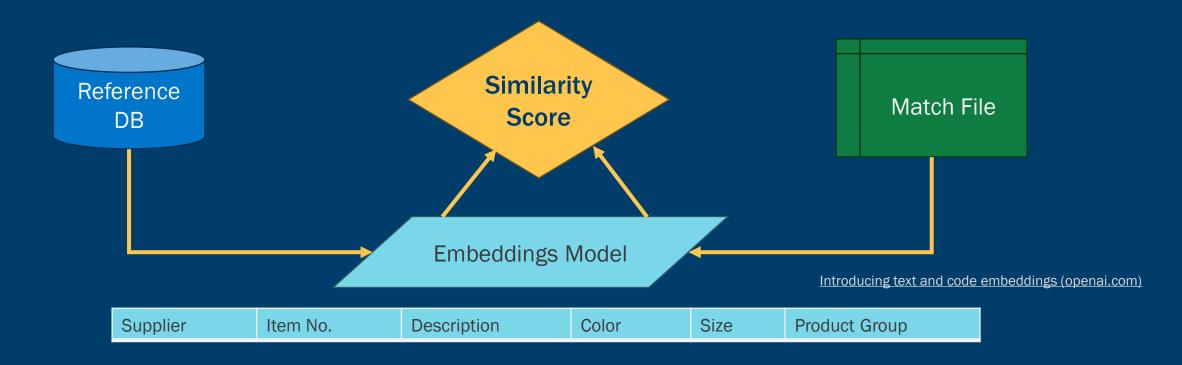
- <u>eComm Growth</u>: complete, standardized content
- Price Optimization: rapid updates, timely analysis
- Accurate & Streamlined: teams do strategic work



Let's Do a Proof-of-Concept (PoC)

- See how Wrangles could address specific data workflows
- Hands-on experience for your team
- Build a business case & project plan
- info@wrangleworks.com

Wrangles "Semantic Matching" Process



Data Work Example: eCommerce Product Data



▼ Technical Data ■ Highlights BOSCH JS260 120-Volt Top-Amperage 6: Bevel Angle Range 45°: Category Jig Saws: Cutting Capacity- Soft The Bosch JS260 Top-Handle Jig Saw provides a sturdy footplate for Handle Jigsaw, Blue, 6.1 amp Wood 2-11/16"; Cutting Capacity-Mild Steel 0.1875; Dust Blower Yes; Dust cut, as well as a 6.0 Amp motor and variable-speed control. The stur Collection No; Height 7.0"; Hertz 60; Jig Saw Blade Type Jig Saw T-Shank; Length produces up to 3,100 strokes per minute, with a 3/4 In. stroke length 9.25"; Max. Bevel Capacity (°) 45; Max. Bevel Cut 45°; No Load SPM 500-3,100; speed dial controls the maximum speed, while the accelerator trigge Rating 120V; Reverse No; Stroke Length (in) 0.75; Tool Level 7 - Cordless operating speed. This jig saw is engineered with a low-vibration plur variable speed basic +; Variable Speed Yes; Voltage 120; Weight 5.3lb; Width cutting accuracy and smooth operation. It has a large heavy-gauge s 3.5"; Works With Anit-Splinter Insert JA1002; Includes (1) JS260 6.0 Amp Top-The JS260's multidirectional blade clamp delivers the superior grip o Handle Jig Saw, (1) Anti-Splinter Insert (201016065), (1) T-Shank Jig Saw Blade (but it does not accept U-shank blades). The toolless T-shank blademakes blade insertion and removal quick. The tool has an always-on

> Adjustable Handle Position Yes; 13 Amps; Height 4.65"; Length 12.1"; No Load RPM 2,800-11,500; Overload Protection Yes; Rating 120V; Spindle Thread N/A; Variable Speed Yes; Voltage 120V; Weight 5.6lb; Wheel Diameter 5"; Width 5.6"; Works With Cutting Dust Extraction/Collection Hoods: 18DC-5E, GA50DC, Metal Type 1A Cutting Guard: 18CG-5E, 18GG-45E; Includes (1) GWX13-50VSP 5 change that's up to five times faster than conventional interfaces. T In. X-LOCK Variable-Speed Angle Grinder with Paddle Switch, (1) Vibration

> Application Reinforced concrete, brick, stone; Arbor X-LOCK, 7/8"; Cutting Depth Five-times faster wheel change, reliable mount, more durability; Opt 1-1/4"; Diameter 4-1/2"; Segment Thickness 0.075"; Tool Small Angle Grinder / X-LOCK Small Angle Grinder; Includes (1) 4 1/2 In. X-LOCK Xtreme Segmented

Application Ceramic tile, slate; Arbor X-LOCK, 7/8"; Cutting Depth 1-1/4"; Diameter 4-1/2; Segment Thickness 0.063"; Tool Small Angle Grinder / X-LOCK Small Angle Grinder; Includes (1) 4 1/2 In. X-LOCK Continuous Rim Diamond

Application Medium metal (1/8"-5/16"); Blade Length 12; Cut Type Medium Metal; Kerf 0.035"; Length 12.0"; Material Bi-Metal; Overall Length 12; Quantity technology last up to 3X longer than standard reciprocating saw black Reciprocating Saw Blades for

X-LOCK mount minimizes downtime between wheel changes; Power delivers maximum power and productivity; Tool-free changes with si release, lock-in connection. The Bosch GWX13-50VSP 5 In. X-LOCK A Variable Speed with Paddle Switch features the X-LOCK mount, offer snap when mounting an X-LOCK wheel on an X-LOCK grinder. The wl

max cut-line visibility and an ambidextrous lock-on button.

mix for both speed and lifetime; X-LOCK diamond blades are compat

Five-times faster wheel change, reliable mount, more durability; Opt mix for both speed and lifetime; X-LOCK diamond blades are compat arbor mounts

Bosch Edge Reciprocating Saw Blades start sharp, stay sharp, and w extreme cuts for tough construction uses, these blades deliver the b

PRODUCT NAVIGATION

Attributes

Completeness

Data Quality Insights



History

80454de5-e0a7-4823-b927-3d9c93306319

Enabled

09/14/2023 09:39 PM by dev

LAST UPDATE

09/15/2023 09:57 PM by dev

[BOSCH]



PRODUCTS / JS260

JS260

Channel: Ecommerce ∨ Locale: English ∨

Quality score: IN PROGRESS

Completeness: 100%

ITEM

BOSCH Jig Saw (Top. 6A) JS260

Jig Saw

Item Type

ATTRIBUTES Voltage 120 Stroke Length 0.75 Inch Cutting Capacity Soft Wood 2-11/16", Mild Steel 0.1875 Strokes Per Minute 3,100 Current

PROPERTIES

Power Source

ampere

WrangleWorks"

▼ Title

5 In. X-LOCK Variable-Speed

Angle Grinder with Paddle

Segmented Diamond Blade

5 pc. 12 In. 14/18 TPI Edge

Rim Diamond Blade

Medium Metal

Switch

X-LOCK Diamond Blades 4-1/2 In. X-LOCK Xtreme

X-LOCK Diamond Blades 4-1/2 In. X-LOCK Continuous

▼ Category

Jig Saw

GWX13-50VSP X-LOCK Angle Grinders

Edge Metal

Blades

Reciprocating Saw

RECM12X2

Classify Wrangle: Using AI to Categorize at Scale



Extract Wrangle: Using AI to Standardize Attributes





There's a Wrangle for That!

Eric Hills, CEO

eric@wrangleworks.com

Training Topics

Wrangles

Stock Wrangles

Wrangle Types

DIY "Pattern Matching" Wrangles

DIY AI Wrangles

Permissions

Map Wrangles

Data Structures

Recipes

Read / Wrangles / Write Flow

Inputs / Outputs / Dataframe

Connectors & Matrix Writing

Variables & Functions

Special Recipe Wrangles (jinja, python, pandas etc)

APIs and Secrets

Techniques

Using wrangles.io

Refining Descriptions

Map + Recipe

Reuse (Recipes from Recipes)

Run Actions

Running in VS Code (& other IDEs)

Automation

CLoud Solution flows

Launch from Excel

GitHub Actions