



ANALYTIC PROCESS AUTOMATION

OPTIMIZING END TO END PROCESS

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ABOUT ME:

Name: Shawn Mock

Company: Alteryx

Company Tenure: 3 years

Title: Manager Sales Engineering

Alteryx User: 7 years

First Alteryx Use Case: *Integrating with Salesforce.com and Tableau, to create one of my former company's pipeline reporting, to their board of directors.*





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ANALYTIC PROCESS AUTOMATION

ALTERYX



DATA-DRIVEN BUSINESSES ARE SUCCEEDING

WORKING WITH AGILITY

19x

more likely to be profitable and
77% more likely to significantly
exceed business goals

McKinsey Global Institute

OUTPACING COMPETITION

23x

more likely to acquire new
customers and 6x more likely to
retain customers

McKinsey Global Institute

DEVELOPING TALENT

21%

more profitable with 74% of
employees saying automation
improves job satisfaction

Gallup Employee Engagement Survey



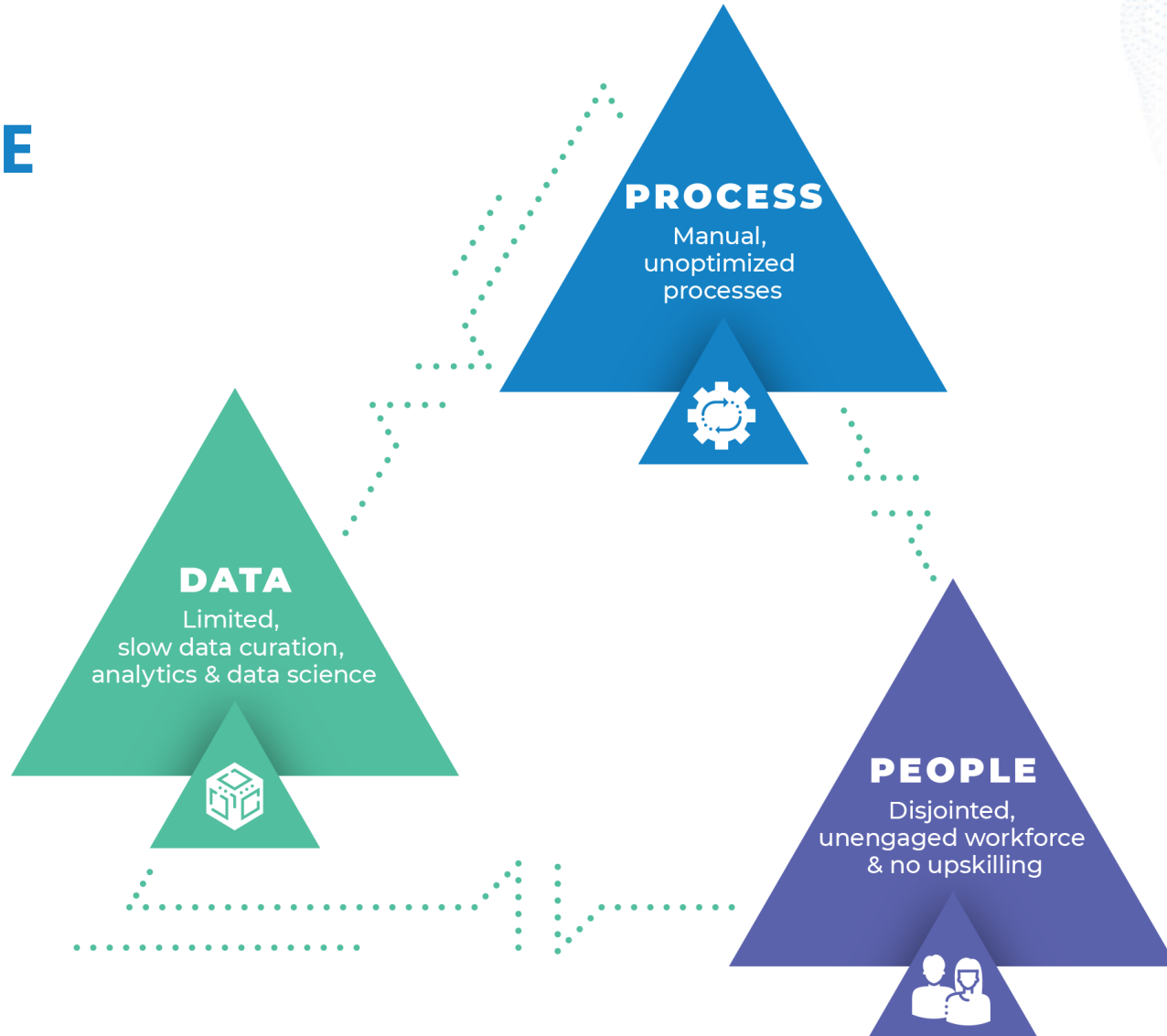
**ONLY 31.0% OF COMPANIES SAY THEY ARE DATA-DRIVEN.
THIS NUMBER HAS DECLINED FROM 37.1% IN 2017
AND 32.4% IN 2018.**

NEW VANTAGE PARTNERS

ORGANIZATIONAL CHALLENGES

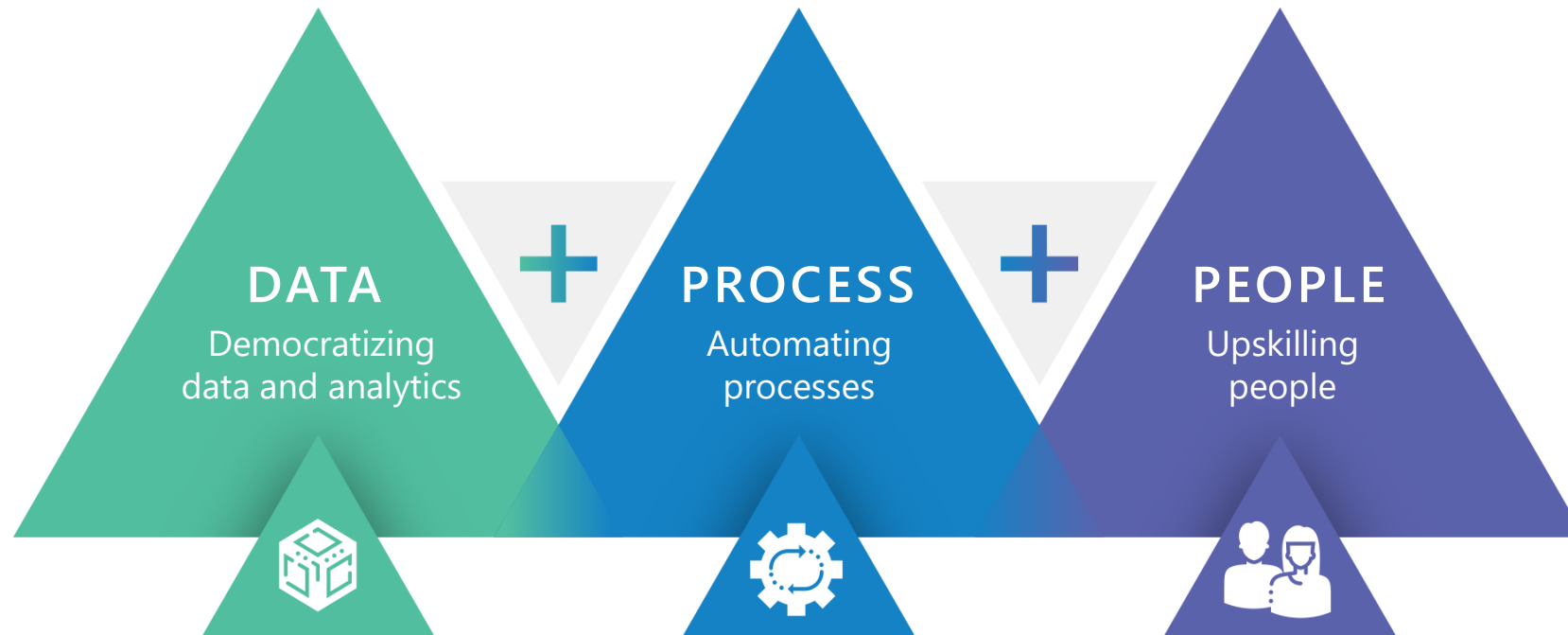
WHAT STANDS IN THE WAY OF ACHIEVING OUTCOMES?

DATA, PROCESS, PEOPLE
A DISCONNECTED
APPROACH
THAT PREVENTED
ACHIEVING THE GOAL



ALTERYX PLATFORM ADVANTAGE

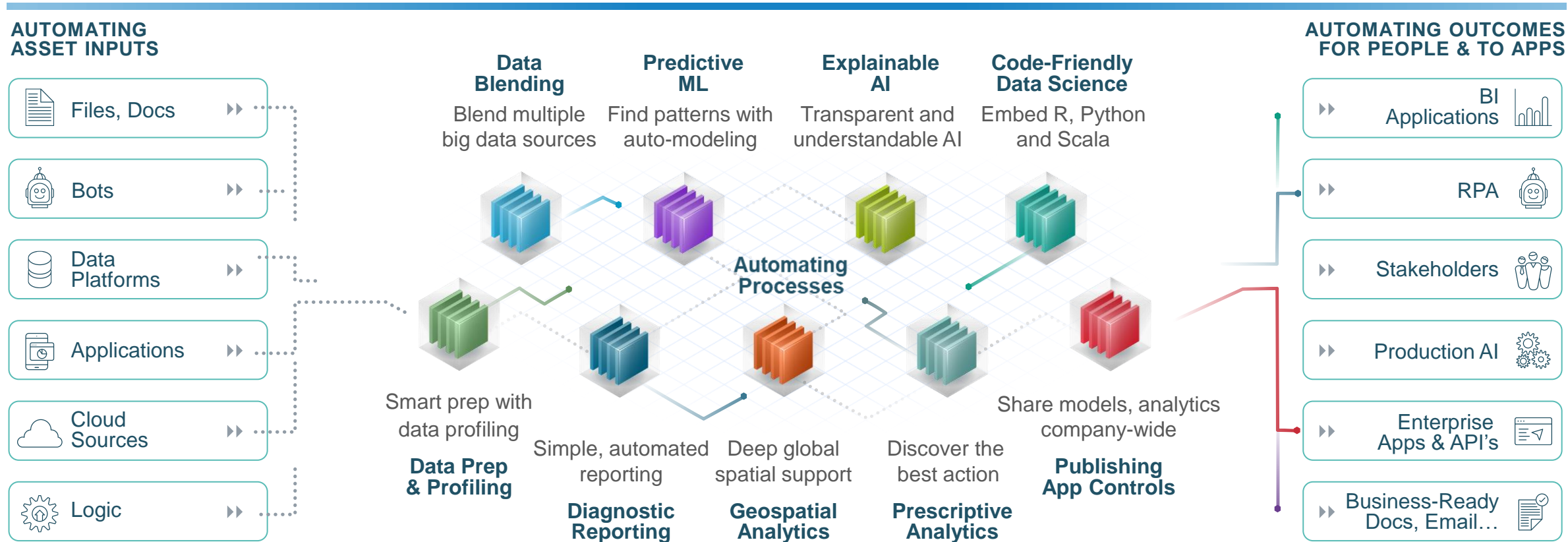
ENABLES CONVERGENCE OF DATA, PROCESS, PEOPLE FOR FASTER
BUSINESS & WORKFORCE OUTCOMES



ALTERYX ANALYTIC PROCESS AUTOMATION

A UNIFIED PLATFORM FOR ANALYTICS, DATA SCIENCE AND PROCESS AUTOMATION

80+ INPUTS AND OUTPUTS



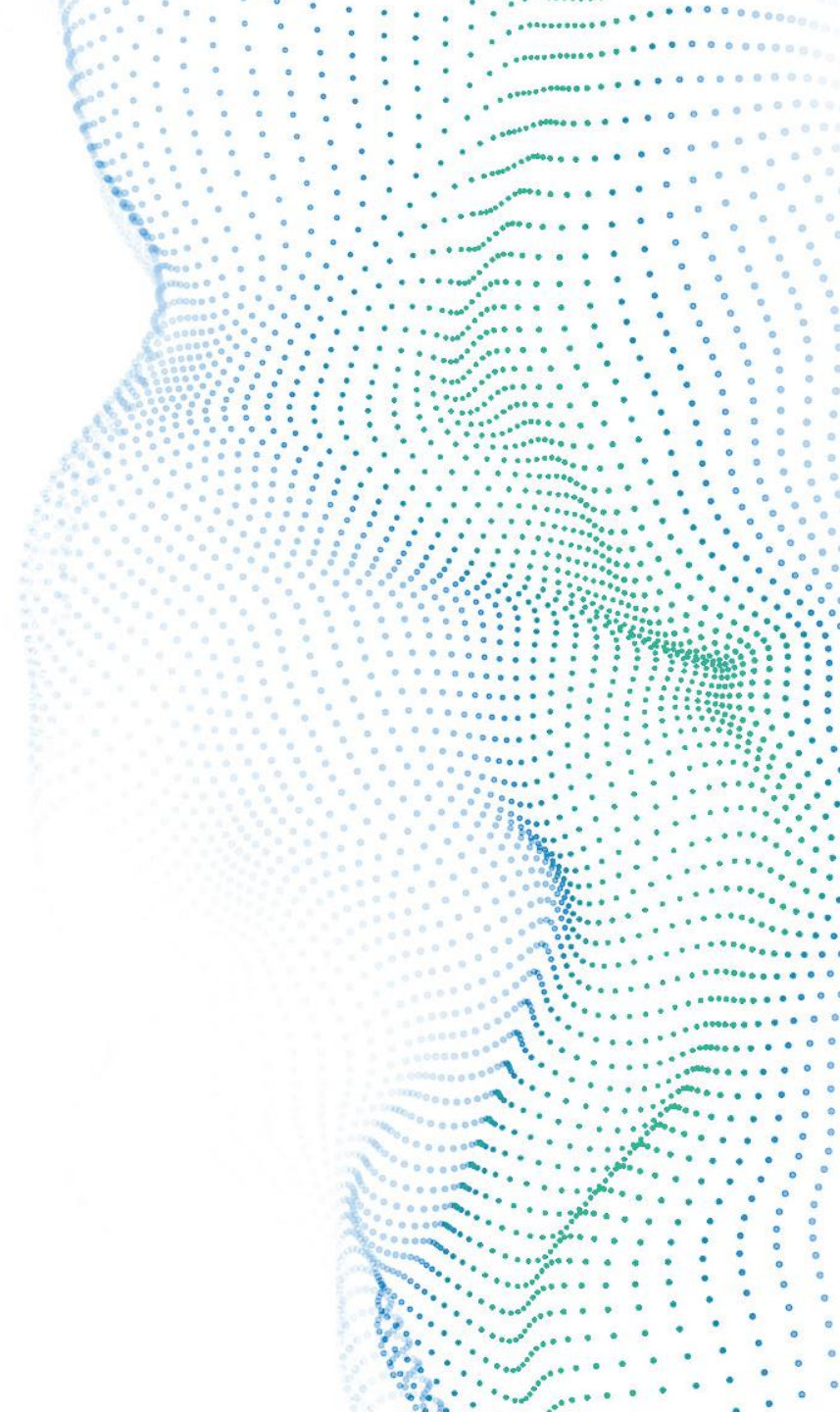
270+ ANALYTICS + DATA SCIENCE + PROCESS AUTOMATION BUILDING BLOCKS
THAT LET YOU START ANYWHERE



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APA IN ACTION

ALTERYX CUSTOMER USE CASE



USE CASE: PEST CONTROL CO. OPTIMIZING INSPECTIONS

Opportunity

- A Pest Control company needed to be more efficient with their Field Inspectors' time, during an 8-hour day.
- Customer site inspections take roughly 30-minutes, and the Inspectors must **start** and **end** their day from the company truck lot.
- This company had analysts building **Inspection Schedules** and **Drive Routes** by hand, using Excel and open-source routing tools.
- Operational Leadership must ensure all customers are serviced according to their inspection frequency. However, they don't know how to reduce wasted drivetime, or how to staff the optimal number of Field Inspectors.

Alteryx Solution

- 1. Create Points for Stop Off Locations and Maintenance Hub (Start/Finish)
- 2. Iterative Macro (Next Closest) finds the next closest stop using drive time data for about 16 stops
- 3. The route is then completed, total time is calculated, and the total trip is under 8 hours

ALTERYX SOLUTION

PEST INSPECTOR ROUTING SOLUTION

1

Inputs

- Client List (**Database/Excel**)
- Inspection Frequency Calendar (**Database/Excel**)
- TomTom Street-Level Data (**Alteryx Data Pack**)

2

Process

- Identify clients due for an inspection
- Geocode the **Client Locations**
- Use the Company Truck Lot as '**Start**' and '**End**' Location
- Use TomTom Street data, and Iterative Logic to create drive routes.

3

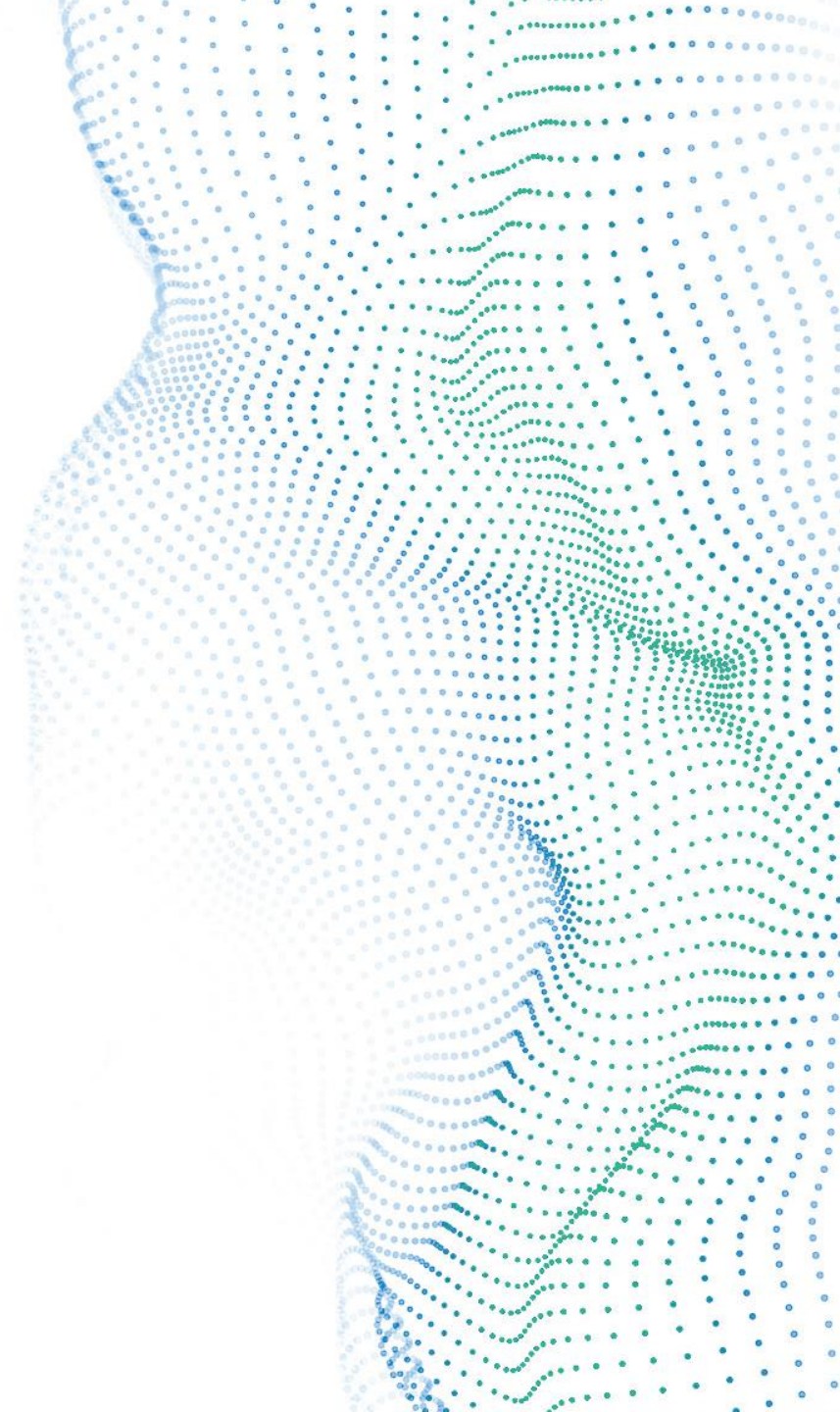
Outputs

- A daily PDF document for each Inspector containing:
 - A list of clients to visit that day
 - A map of the **optimal route** and **stop sequence** for them to take
 - With 30-minute stops and drive-time not exceeding 8 hours

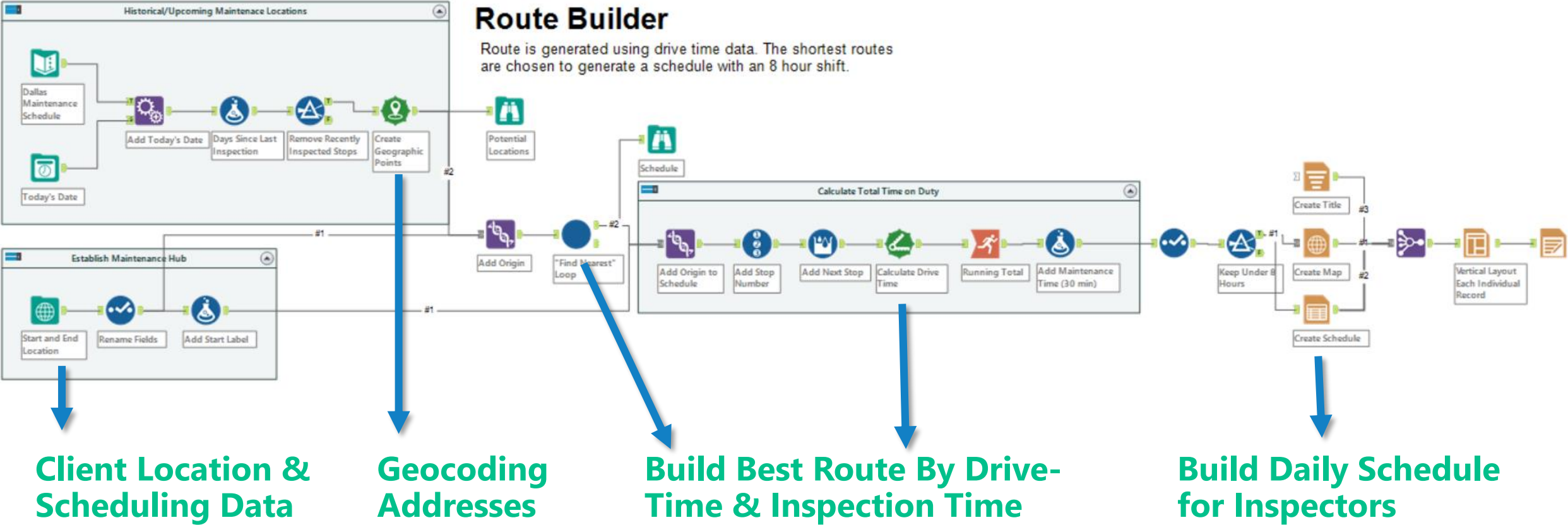


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SOLUTION WORKFLOW

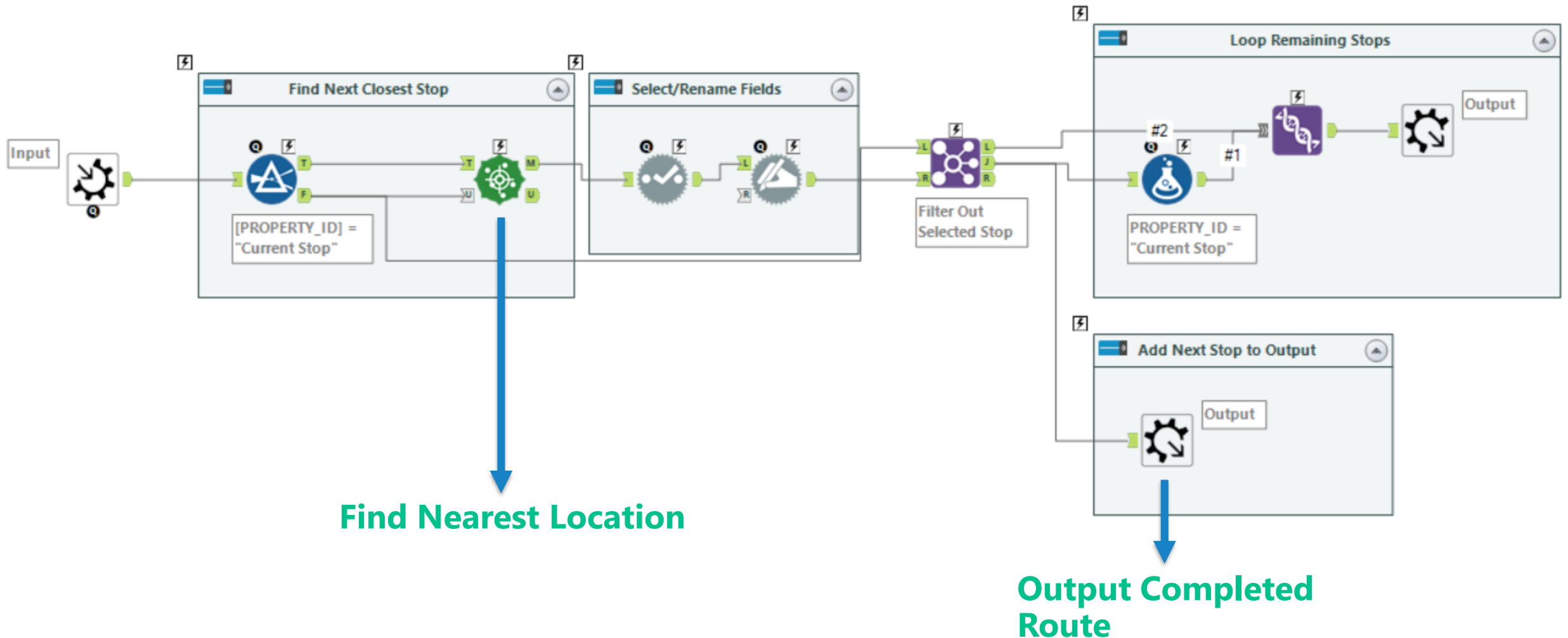


WORKFLOW SNAPSHOTS



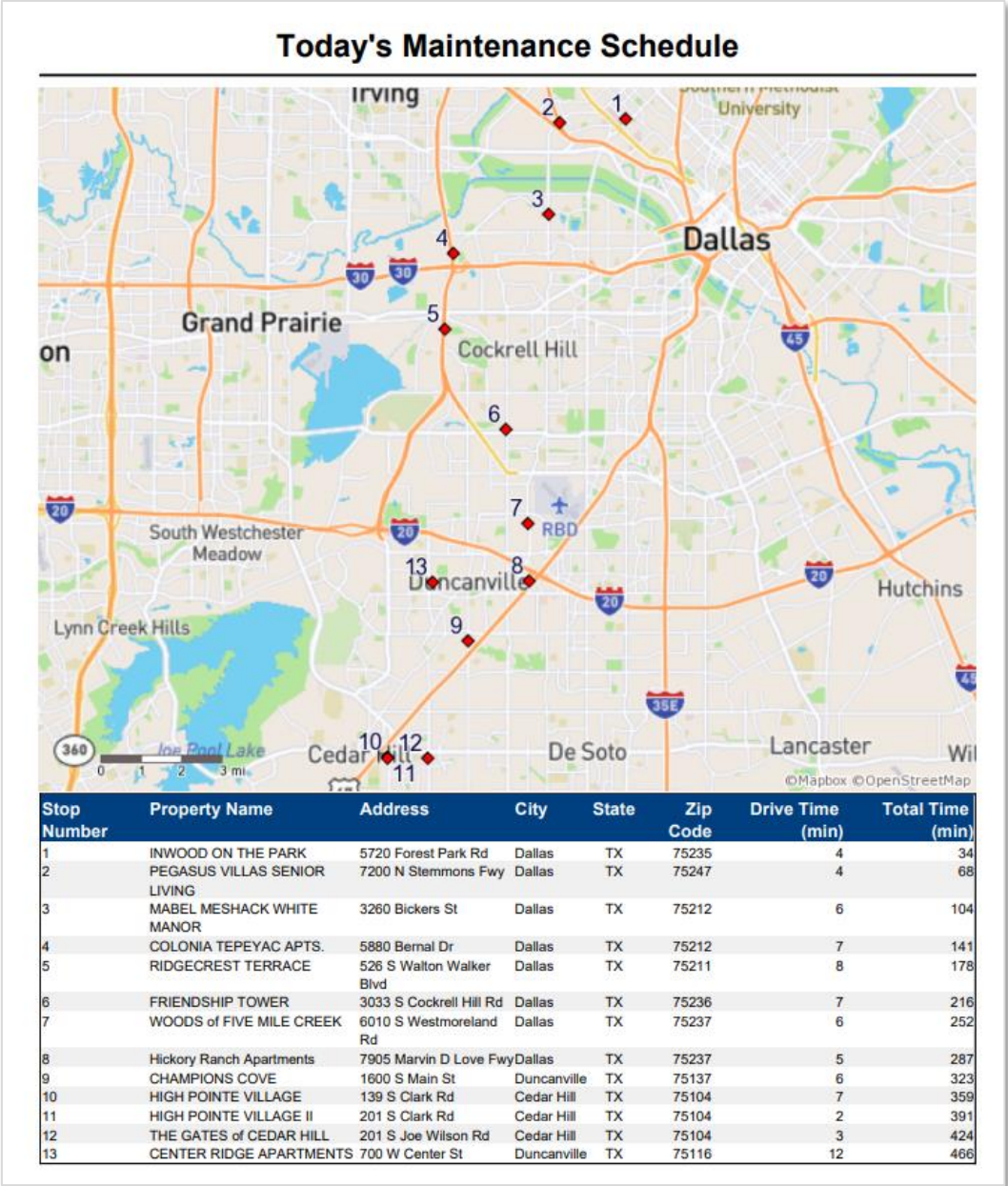
WORKFLOW SNAPSHOT

ITERATIVE MACRO



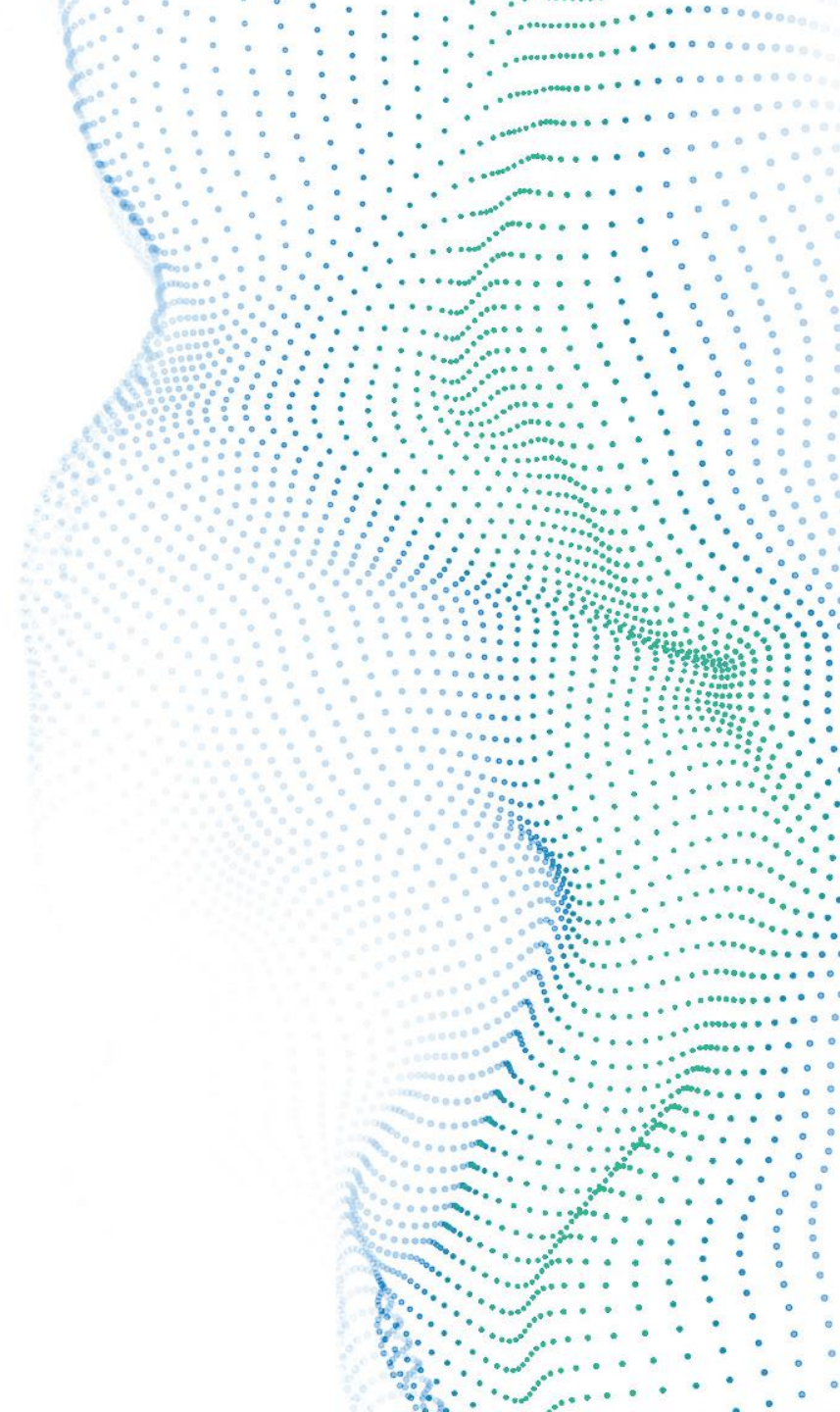
WORKFLOW SNAPSHOT

REPORT OUTCOME



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OUTCOME



BENEFITS OF ALTERYX APA

- 1 The Analysts' process is automated, giving them ***time to focus on value-added work***
- 2 The Inspectors' have a route that ensures they ***finish their day on-time***
- 3 Operations knows the ***max number of inspectors*** required to cover their busiest days
- 4 The optimized routes ***reduced wasted drive-time*** and ***added milage to vehicles***



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Thank you

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