HOW GOOD IS YOUR DATA?

Presented by Martin Preston

NEON

ataccama

About Neon

170 employees, operating from its London and Bermuda offices

- ▶ Professional Indemnity - Financial Lines – Cyber - Mergers & Acquisitions

- ▶ Accident & Health - Bloodstock & Livestock

- ▶ Terrorism & Political Violence - Political Risks & Trade Credit

- ▶ Cargo - Energy - Marine & Offshore Construction - Marine Hull & War

- ▶ Property Binders - Property Direct & Facultative - Property Treaty

- ▶ Transportation

About AFG

- • Neon is a proud member of Great American Insurance Group (GAIG), the insurance operations of American Financial Group, Inc. (AFG)

  - ▶ GAIG's roots go back to 1872 with the founding of its flagship company, Great American Insurance Company

  - ▶ AFG has approximately US$55 billion in assets and is listed on the New York Stock Exchange

QUALITY OF YOUR DATA

► How do you answer that?

► How do you show it?

OBJECTIVES

Tighter, more **automated controls** around the quality of data and checking of **data entry**

Safeguard the quality of data used in analysis and reporting

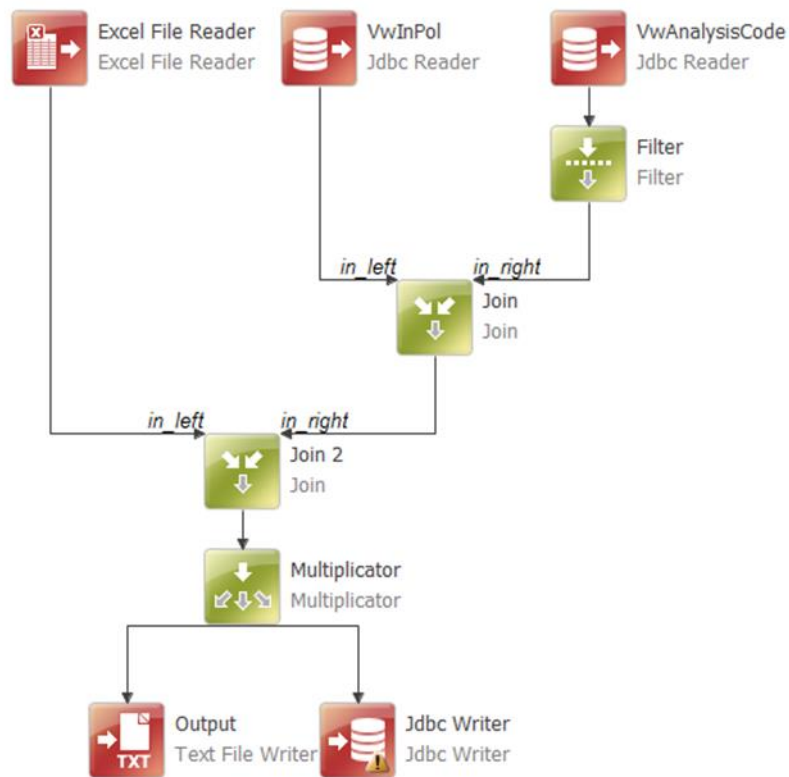**Cleansing legacy data** at source in preparation for data warehouse

PRODUCTS

▶ Data Quality Center | **DQC**

▶ Data Quality Dashboard | **DQD**

▶ Data Quality Issue Tracker | **DQIT**

HOW?

- Define, Configure and Run Business Rules

- Produced Output Data Issues for Correction

- Correct the Data

- Re-run every night

- Display summary Statistics

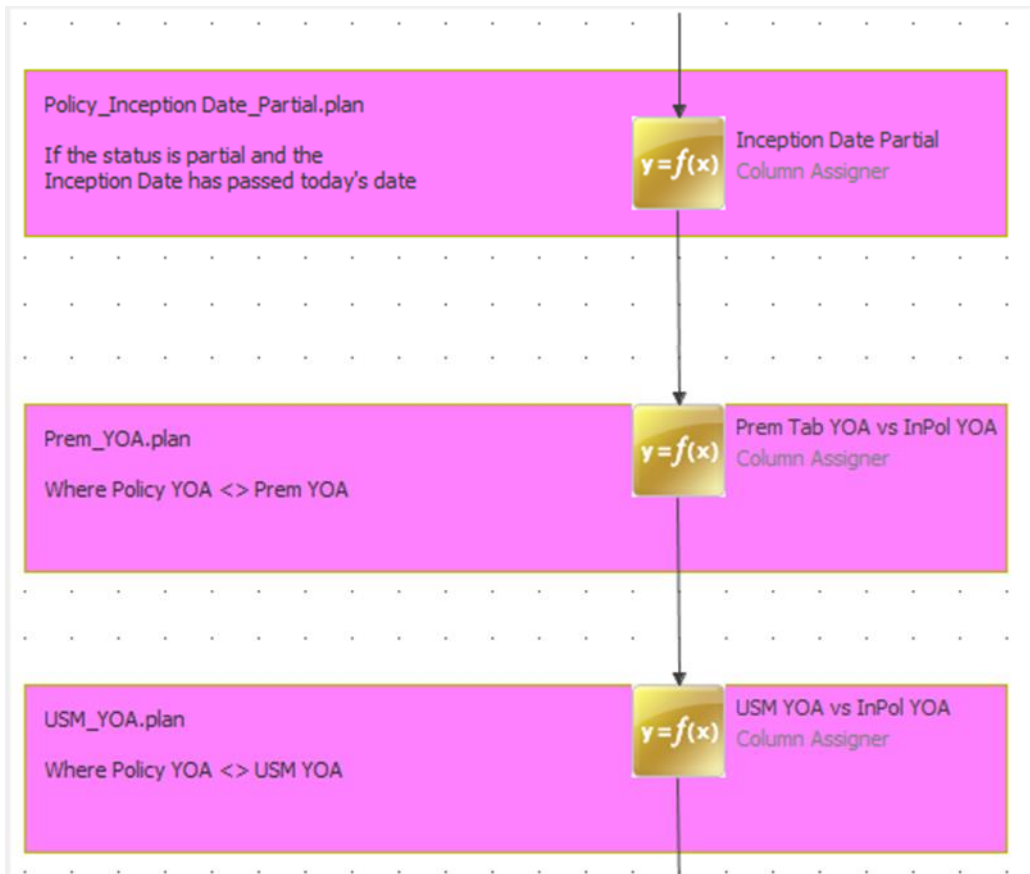# HOW? DEFINE, CONFIGURE AND RUN BUSINESS RULES

Selecting Tables & Files

Filtering

Joining (matched/unmatched policies)

Output

HOW? DEFINE, CONFIGURE AND RUN BUSINESS RULES

Policy_Inception Date_Partial.plan

If the status is partial and the Inception Date has passed today's date

y = f(x) — Inception Date Partial — Column Assigner

Prem_YOA.plan

Where Policy YOA <> Prem YOA

y = f(x) — Prem Tab YOA vs InPol YOA — Column Assigner

USM_YOA.plan

Where Policy YOA <> USM YOA

y = f(x) — USM YOA vs InPol YOA — Column Assigner

```
case( std_AcctgYr = std_Pm_YOA,

exp_instance + "PREM_YOA_VALID",

exp_instance + "PREM_YOA_INVALID")
```

HOW? DQ WORKFLOW & AUDIT

NEON

Original data

Policy Reference No:	ANE17099 .. .. . .
Insured Name:	
Status:	BINDER
MOA:	G
Account Year:	2017

Severity	Message
❌ High	Certain policy type should have certain MOA codes as per criteria Matrix.

Corrected data

Status:	BINDER
MOA:	H
Account Year:	2017

Get proposals...   Validate

✔ No problems found

History

| Date: 2017-01-24 09:59:27	User: ceb	Action: Resolve
ok		
Date: 2017-01-23 16:11:22	User: exd	Action: For Approval
MOA changed to H		
Date: 2017-01-23 16:04:31	User:	Action: assign
(empty message)		
Date: 2017-01-20 15:32:29	User: AtaccamaDQIT	Action: create
Issue opened by DQC		

HOW? DQ REPORTING PROGRESS

Data Quality **Improvements** 62% - 99%

Business buy in - Recognition from users and executives

Quality Improvements over time
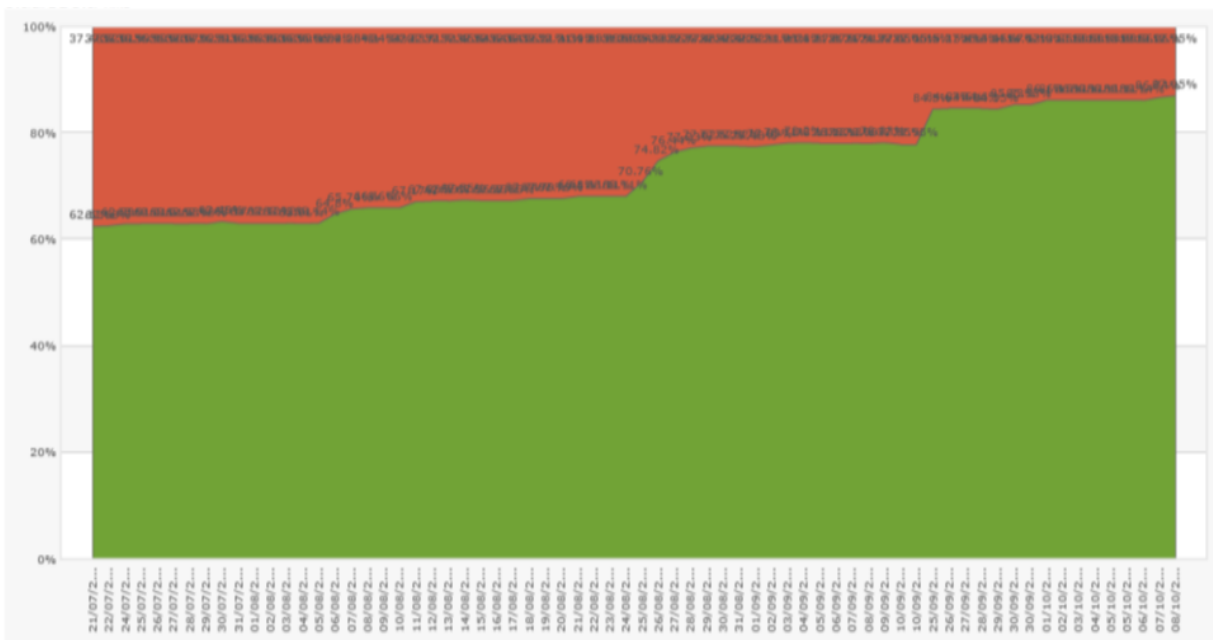
Individual rule by COB & YOA

Valid, 93.07%

Invalid, 6.93%

2,216   165
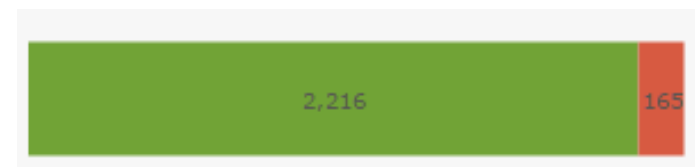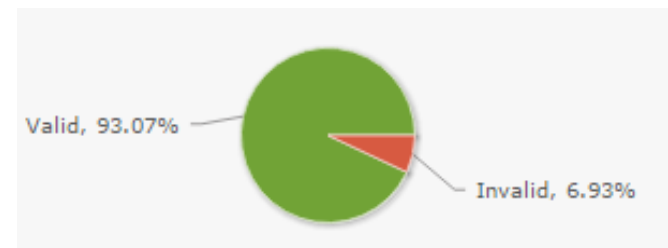
- Identify

- Improve

- Audit

- Evidence

CONSIDERATIONS

▶ Set up, configuration & **Infrastructure**

▶ User **buy in**

▶ Monitoring Issues & **Exceptions** to Rules

▶ Victim of own **success**

WHAT'S NEXT?

► DQIT Workflow Email Notification

► Warehouse Period Close

► Binder monitoring

► Breach Controls & Limits