Enlighten[®]

Is your data quality good enough to support your business initiatives?

Enlighten[®]

Introduction

Michael Ott Senior Vice President

Application systems quickly become landfills of data

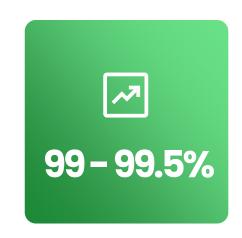


Is your data quality good enough to support your business initiatives?

You may already have data quality tools.

Are they able to deliver the quality necessary to support your new business initiatives?

Existing data quality often doesn't support new initiatives, such as customer engagement, digital transformation, compliance and analytics.



Today's session will highlight ...







Advisory Services



- Provides a broader view of the DQ initiative
- Ties in the people and process aspects
- Examines various components (e.g., data elements, quality of data, controls) and whether they support the business requirements
- Provides the foundation for a successful business initiative

Auditing Capabilities



Innovative Systems can quickly and accurately audit data quality early on and in conjunction with Advisory Services



Source Data

- Data to be migrated into an existing system or used to create a new target system
- Comes from various sources with different field configurations and quality standards
- Target systems are fed clean data



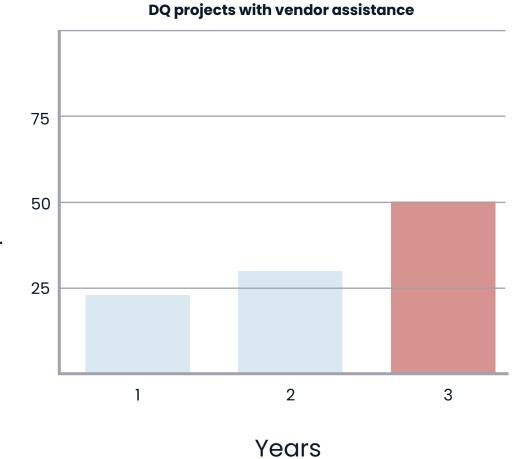
Target Data

- Data in the target system that has degraded over time from user interactions
- Monitor and maintain data quality

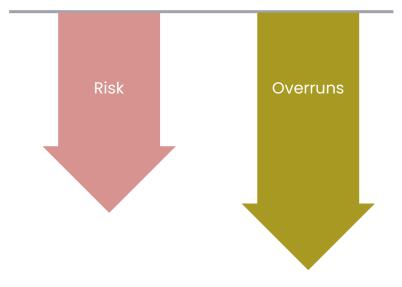
DQaaS



% of projects using vendor assistance



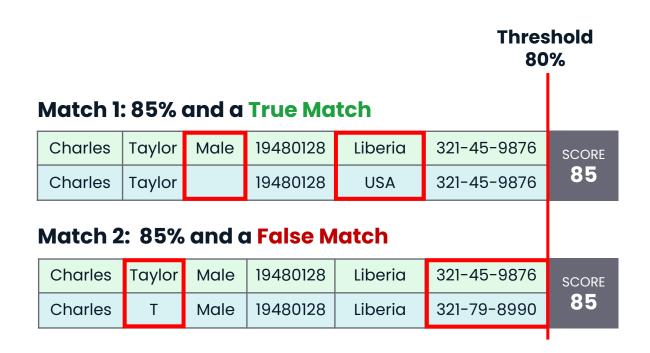
Reduce project risk & time/cost overruns



Our dictionaries have the definitions

- Creating customer-centric databases for 50+ years
- Dictionaries contain millions of words, phrases, and patterns from billions of records reviewed
- Evolving technology 14th generation
- Users don't have to test or tune
- Processes data faster and more accurately

We don't use weighted field scoring



- Other products assign a percentage at the record level
- Anything above the threshold is considered a duplicate
- No transparency
- No fine tuning
- Over-matching or under-matching

Percentage based matching just doesn't work!

We use pattern-based matching and Al

First Name
Last Name
Title
Date of Birth

Each field pairing is compared and assigned an attribute Equal
Close
No Match
Blank

Each pair is assigned a match string showing the likelihood of being a duplicate



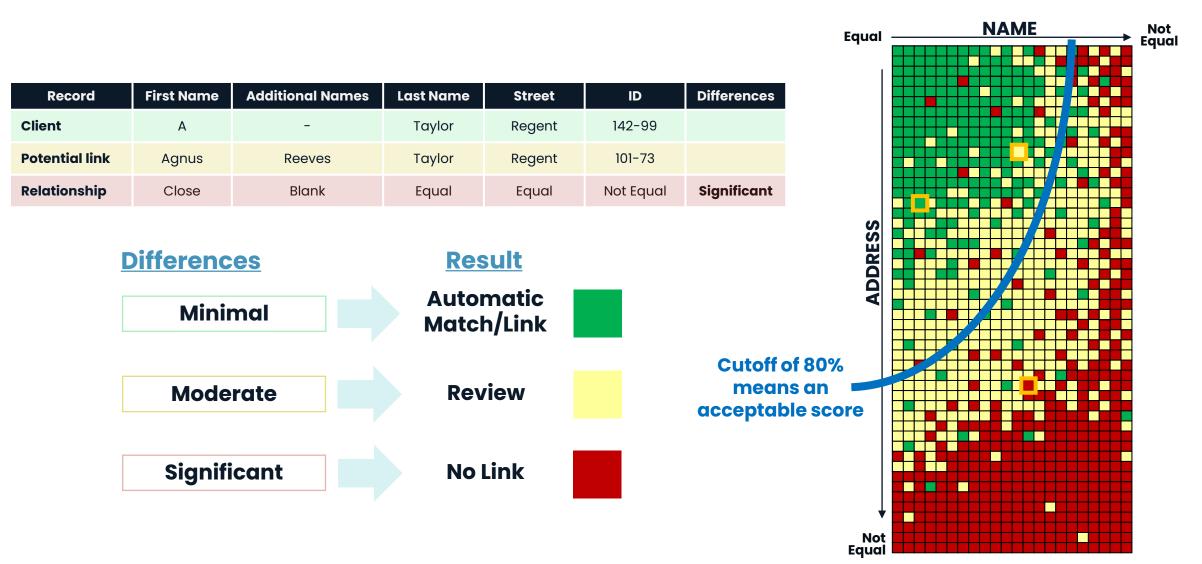
Our AI engine mimics how humans process data to determine a match Automatic Match Review No Link

Match strings determine if pairs are automatically matched or reviewed Critical

Skip

Users can prioritize at the field level for total control

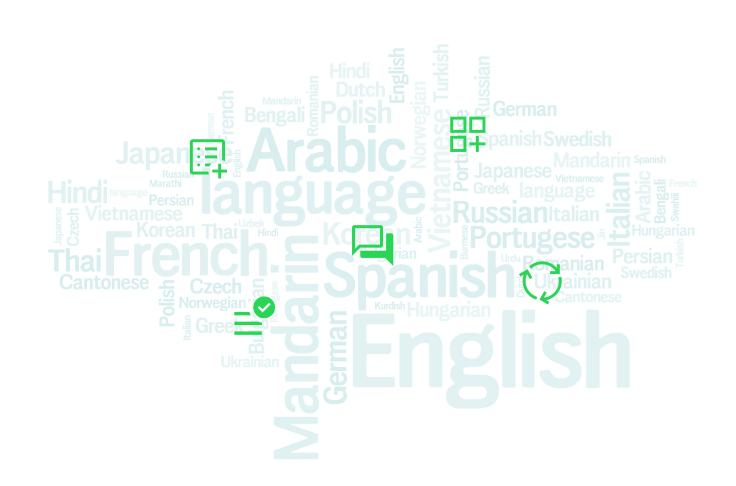
We use pattern-based matching and Al



We use natural language processing

Grammars

- Language rules
- Enable processing against any alphabet in any language
- Identify the meaning and order of data
- Can be added or changed without changing the core product



Enlighten Capabilities Demo

Hector Cordova

Director, Professional Services & Consulting

Enlighten

Is your data quality good enough to support your business initiatives?

Enlighten® Data Quality Services Engagement

Data Quality Services Engagement







Case study: CRM system creation

- AUTOMAKER requested DQ services to populate a new CRM system
- The project was conducted on 11.849 Million records from 3 originating sources of data:

CAR SALES: 6.695M records
CREDIT SALES: 4.193M records
ACQUISITION: 0.961M records

- From an **audit** perspective, the project focused on two key areas:
 - Data Errors (exposes potential hidden risks):
 - Multiple names on Name line
 - Hidden names on Address lines
 - Incorrect Customer Type on input
 - Invalid (default or dummy) or missing key data elements
 - Standardization/consistency errors (name, DOB, address, postal code)
 - Duplication (causes wasted effort, fragmented profiles)
- The data was **processed** by Enlighten and returned to the client, ready to be uploaded to the CRM system. **Prevention** measures were also put in place for incremental adds and updates.

Data Quality Services Engagement

Case study: CRM system creation







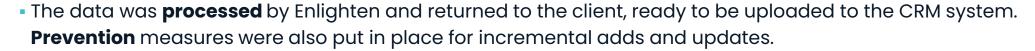
- AUTOMAKER requested DQ services to populate a new CRM system
- The project was conducted on 11.849 Million records from 3 originating sources of data:

CAR SALES: 6.695M records
CREDIT SALES: 4.193M records

ACQUISITION: 0.961M records

- From an audit perspective, the project focused on two key areas:
 - Data Errors (exposes potential hidden risks):
 - Multiple names on Name line
 - Hidden names on Address lines
 - Incorrect Customer Type on input
 - Invalid (default or dummy) or missing key data elements
 - Standardization/consistency errors (name, DOB, address, postal code)







Data Quality Service Engagement

Supporting metrics – Data Quality dimensions



Completeness

Understand what fields are "really" available



Uniqueness

Understand key attributes, unique set of values



Consistency

Ensure fields are represented in a consistent format



Accuracy

Customer type, gender against name, address



Validity

Default values, length, range, patterns



Timeliness

Active vs inactive, outdated sources of data

Enlighten® Enlighten® Data Quality

What sets Enlighten apart?

Dictionaries

- Millions of words, phrases, and patterns
- 14th generation
- Finding and correcting data is faster and more accurate
- No continual testing and tuning

Pattern Matching

- Greater accuracy than percentage-based
- Maintains field-level matches for precision
- One match string for each use case
- Total control over priorities and ranking

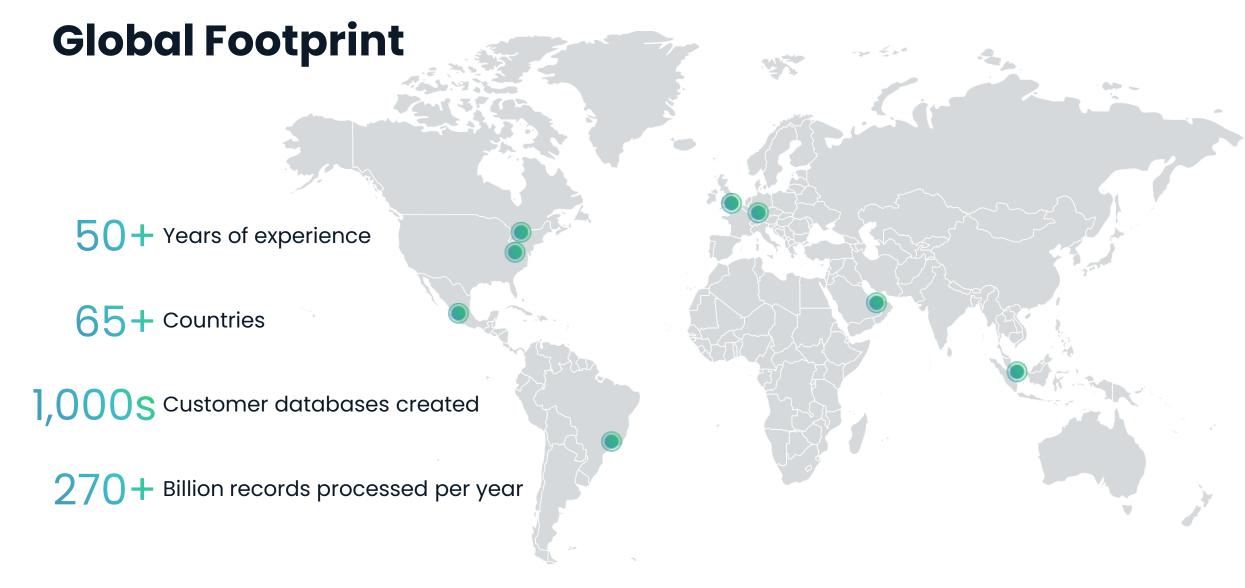
Language Grammars

- Linguistic-based grammars for each language
- Universal grammar for any language
- Processes data based on the language used
- No need for custom coding

What sets Innovative Systems apart?

- Experience: deep knowledge of working with data
- Technology: recruit from top universities; leader in computational linguistics
- Analysts: recognized leader in technology and customer satisfaction

- Flexibility:
 - Software: On-premise, SaaS/Cloud,
 Hybrid, DQaaS, Ad Hoc service projects
 - Train you or do the work for you
- Volume: Global data centers; process 270 billion+ records annually; meet privacy & GDPR requirements
- Access: 24/7 support
- Talent: Timely access to staff with deep technical expertise



Locations in: Pittsburgh | London | Dubai | Frankfurt | Mexico City | São Paulo | Singapore | Toronto

Enlighten[®]

Questions?

mott@innovativesystems.com