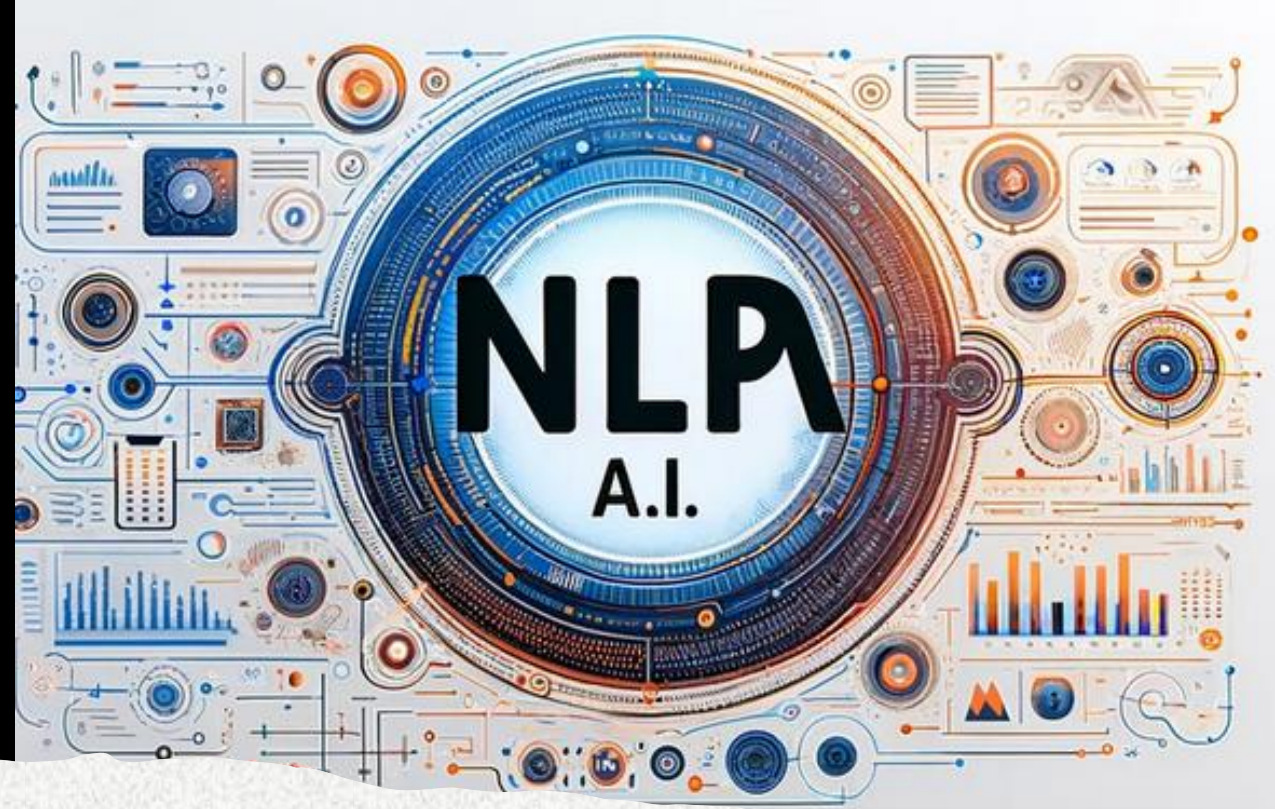




# A.I. NLPA Healthcare



“At W5 We leverage the transformative power of AI to redefine data resource planning and data strategy. Our mission is to architect a future where sophisticated AI solutions drive custom business innovation, delivering unprecedented growth and success for our healthcare clients worldwide.”

CONFIDENTIAL - Do not distribute

# "NLPA" Healthcare



In a world where data is king, the W5 NLPA stands as a pillar of innovation and excellence. It's not just a tool; it's your AI-powered partner in navigating the complexities of Healthcare data with unparalleled precision.



Our proprietary algorithms are designed to transform raw data into actionable insights, making sense of the vast information landscape and offering you clarity where it counts. Whether it's item listing, synonym identification, or regulatory compliance, NLPA offers a comprehensive suite of features tailored to meet the demands of a dynamic market.



# Product Cleansing Dictionary

## Purpose and Benefits

### Original Product Data

Product	UOM	Product ID
QTIPS	625CT	QTCS001
Swisspers Cotton Swabs Cotton	180CT	SWCS005
Medca Gauze Bandage Rolls 4 X 4.1 Yards	48CT	GZB0441

Cleanse  
Data

using  
Product Cleansing  
Dictionary

### Purpose

- Correct Misspellings
- Provide Standard and Alternate Names
- Proper Upper/Lower Casing
- Parse and Categorize
- Enhance and Extend

## Cleansed Results

Original Product	Original UOM	Original Product ID	Corrected Product Name	Standard Name	Alternate Name1	Category	Sub Category	FDA CFR	EAN-13
Q Tips	625CT	QT001	Q Tips	Double-Tipped 3" Cotton Swabs	Cotton Buds	Medical Supplies	Cotton Swabs		0610370326275
Swisspers Cotton Swabs Cotton	180CT	SWCS005	Swisspers Swabs Cotton	Double-Tipped 3" Cotton Swabs	Cotton Buds	Medical Supplies	Cotton Swabs		0611624019882
Medca Gauze Bandage Rolls 4 X 4.1 Yards	48CT	GZB0441	MEDca Gauze Bandage Rolls - Pack or 48 4 X 4.1 Yards	Gause Roll Bandages, 4"	Roll Bandage - 4 Inch Width	Medical Supplies	Gause Roll Bandages	878.4454	0808220616540

### Benefits

- Improves Matching/Duplicate Detections
- Easier to find Substitutions/Compatibilities for Improved Logistics/Inventory/Demand Management
- Improves Taxonomy Standards for Characteristics/Classifications
- Streamlines Product Lifecycle Management

# Product Cleansing Approach – Initial cleansing

## Analyze Product Data with NLPA

- Add Relevant Sources (EG: FDA DB)
- Map Input Fields
- Select Relevant Output Fields
- Execute
- Refine and Tune for desired results

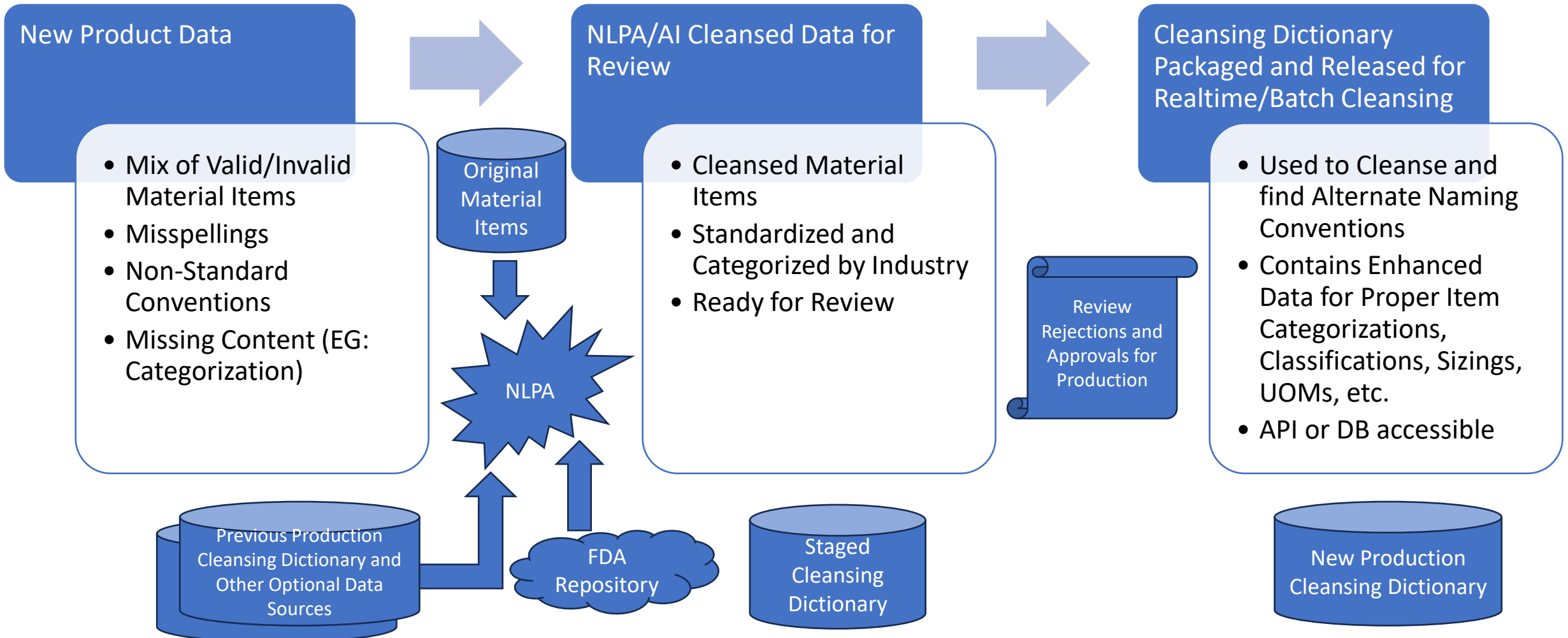
## Build Dictionary

- Use Data Results From NLPA Analysis
- Review, Approve, and Reject Results
- Publish Dictionary for General Use


## Cleanse Product Data

- Use Cleansing Dictionary in ETL Batch Workflows
- Use Cleansing Dictionary in Real-Time Webservice Applications/APIs

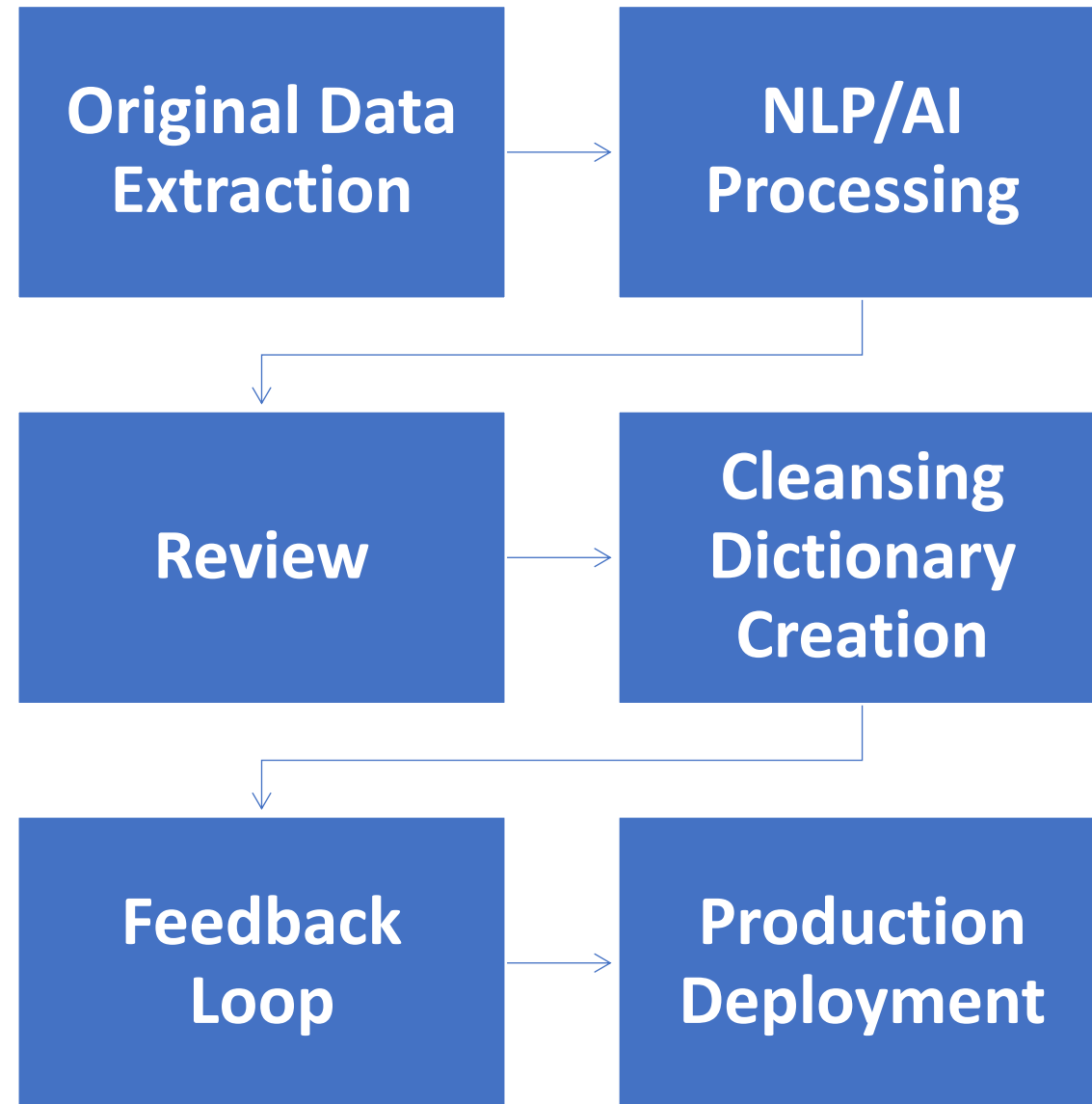
# NLPA Material Item Cleansing Dictionary Process Flow for Building Dictionary





<div> <div>Abc</div> <div>AI_Database_Dictionary - GPT 4.csv</div> </div> Original Product	<div> <div>Abc</div> <div>AI_Database_Dictionary - GPT 4.csv</div> </div> Original UOM	<div> <div>Abc</div> <div>AI_Database_Dictionary - GPT 4.csv</div> </div> Original Product ID	<div> <div>Abc</div> <div>AI_Database_Dictionary - GPT 4.csv</div> </div> Corrected Product Name	<div> <div>Abc</div> <div>AI_Database_Dictionary - GPT 4.csv</div> </div> Standard Name <div>  </div>	<div> <div>Abc</div> <div>AI_Database_Dictionary - GPT 4.csv</div> </div> Alternate Name
83	N/A	Aspirin	Aspirin	Acetylsalicylic Acid	ASA
Penicilin	N/A	51	Penicillin	Antibiotic	Beta-lactam antibiotic
Amoxicillin	N/A	52	Amoxicillin	Antibiotic	Penicillin antibiotic
Clindamycin	N/A	54	Clindamycin	Antibiotic	Lincosamide antibiotic
55	N/A	Azithromycin	Azithromycin	Antibiotic	Macrolide Antibiotic
Iodine Antiseptic	N/A	18	Iodine Antiseptic	Antiseptic	Disinfectant
Chlorhexidine Solution	N/A	17	Chlorhexidine Solution	Antiseptic Solution	Disinfectant Solution
Gauze Bandage	N/A	10	Gauze Bandage	Bandage	Medical Bandage
Benzalkonium Chloride	N/A	20	Benzalkonium Chloride	Benzalkonium Chloride	BKC
Manual Sphygmomanometer	N/A	17	Manual Sphygmomanometer	Blood Pressure Monitor	BP Cuff

# NLPA: Summary



# "NLPA: Harnessing AI for Precision in Healthcare Analysis"



W5 Consulting A.I. NLPA (Natural Language Product Analyzer)  
Version 1.05-p1 (MAJOR.MINOR-PATCH)



SCORE

FTX

Word Count: 97

Select a Vertical ▼

☐ Analyze Database ☒ Import Data ☐ FDA Import

Database Host:

Database/Service Name (or SAP Port):

Database Username:

Database Password:

Database Type:

Table to Search:

Harvest Data

Full Import

Type your message here...

Choose File drugx.txt

HIPAA

COM

SYN

BOM

GRP

HCY

CMP

REG

ALP

ORI

CPT

FCG

OSR

C&C

1

CFS

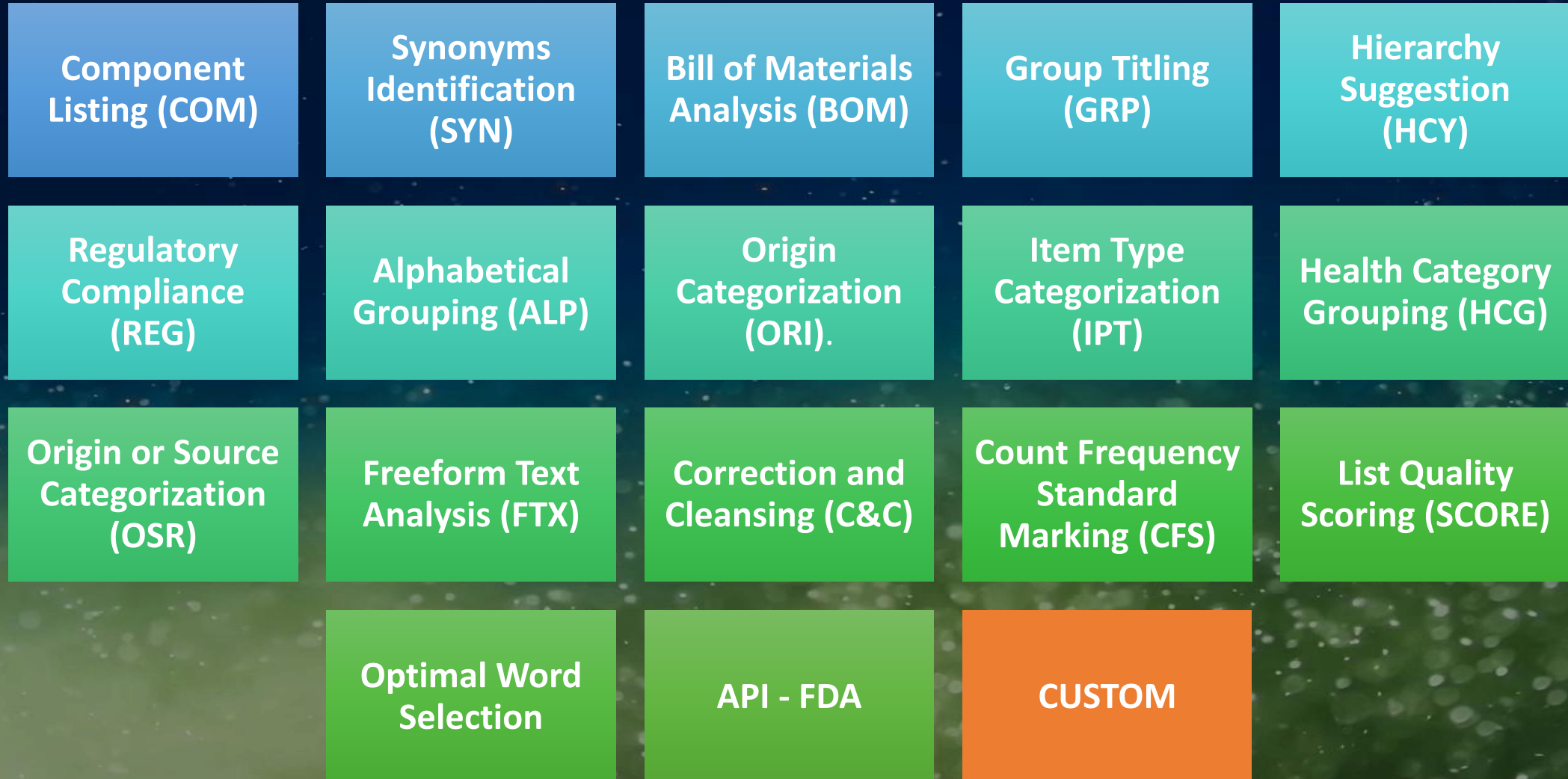
Download



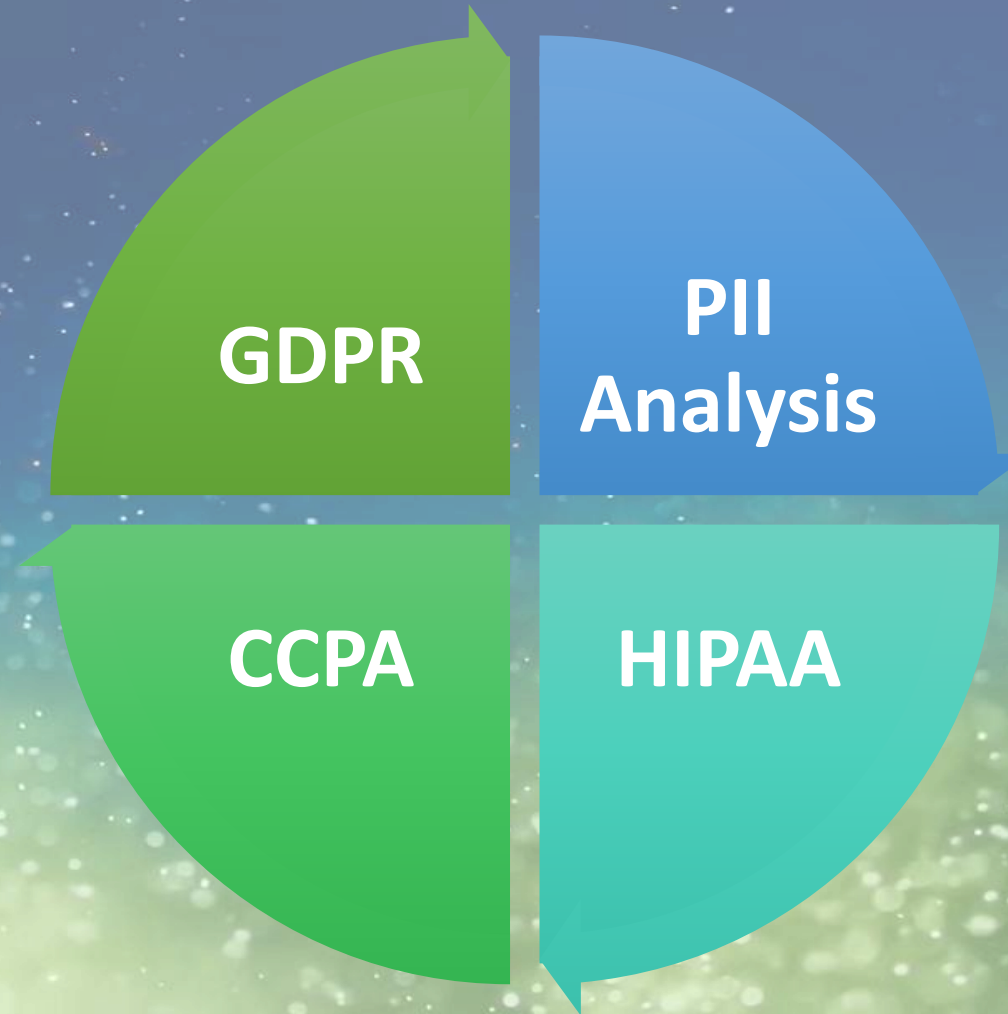
# AI-driven data mastery, unlocking new dimensions of efficiency and insight."

Leverage	AI-Driven Data Mastery: Leverage the power of artificial intelligence to gain a competitive edge in Healthcare analysis planning and data management.
Go	Advanced Item Analysis: Go beyond basic analytics with deep insights into item categorization and hierarchy structuring.
Stay ahead	Regulatory Compliance Simplified: Stay ahead of the curve with AI that understands and navigates complex regulatory landscapes for you.
Discover	Custom Categorization: Discover the freedom of flexible product grouping, designed for intuitive navigation and enhanced organization.
Count on	Dynamic Content Analysis: Count on a system that adapts to different product categories, offering specialized analysis for diverse data types.

# Comprehensive Item Data Analysis



# Comprehensive Item PII Analysis



**Virginia:** Virginia Consumer Data Protection Act (VCDPA) - Effective from January 1, 2023.

**Colorado:** Colorado Privacy Act (CPA) - Effective from July 1, 2023.

**Utah:** Utah Consumer Privacy Act (UCPA) - Effective from December 31, 2023.

**Connecticut:** Connecticut Data Privacy Act (CDPA) - Effective from July 1, 2023.



# Thank you!

