



Bronze Layer



Silver Layer



Gold Layer

Definition

Raw, unprocessed data as is from sources

Clean & Standardize Data

Business Ready Data

Objective

Traceability & debugging

**(intermediate Layer)
Prepare Data for Analysis**

Provide Data to be consumed for reporting and analytics

Objective Type

Tables

Tables

Views

Load Method

Full Load
(Truncate & Insert)

Full Load
(Truncate & Insert)

None

Data Transformation

None (as-is)

- Data Cleaning
- Data Standardization
- Data Normalization
- Derived Columns
- Data Enrichment

- Data Integration
- Data Aggregation
- Business Logic & Rules

Data Modeling

None (as-is)

None (as-is)

- Star Schema
- Aggregated Objects
- Flat Tables

Target Audience

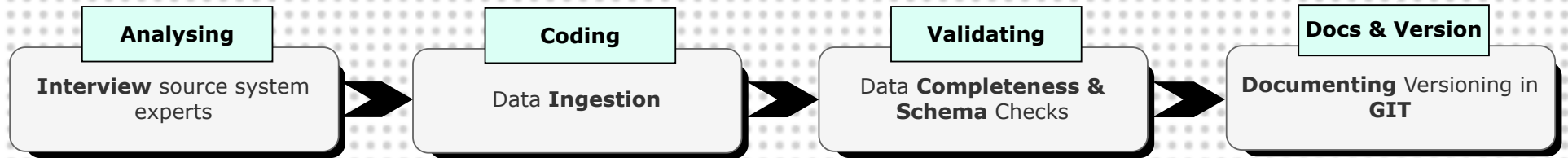
- Data Engineers

**- Data Analyst
- Data Engineers**

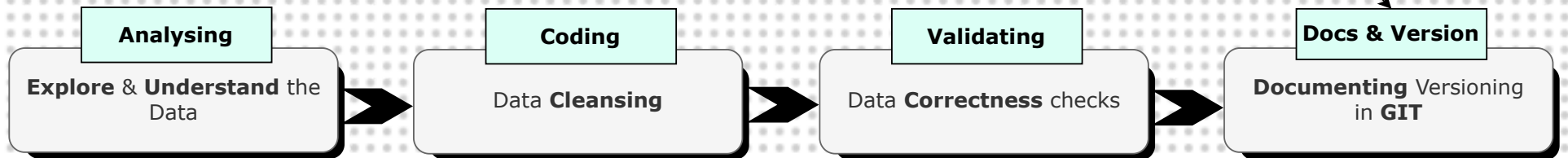
**- Data Analyst
- Business Users**



Bronze Layer



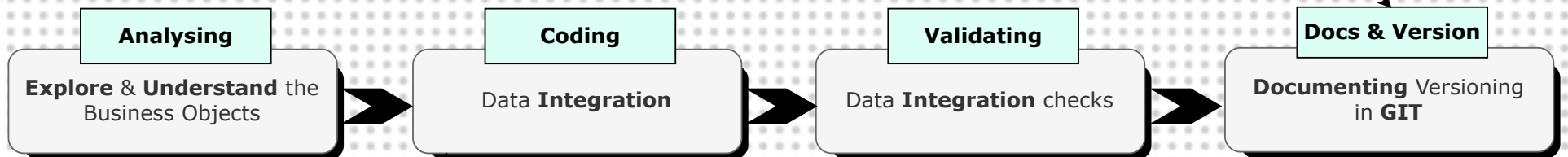
Silver Layer



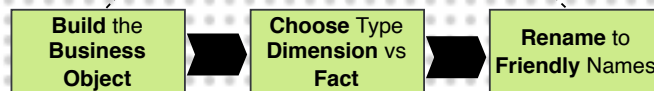
Data Flow
Data Integration



Gold Layer



Data Model
Data Catalog
Data Flow



Source System Interview

Business Context & Ownership

Who **owns** the **Data**?

What **Business Process** it supports?

System & Data **Documentation**?

Data **Model** & Data **Catalog**

Architecture & Technology Stack

How is data **stored**?
(SQL Server, Oracle, AWS, Azure,...)

What are the **integrations capabilities**?
(API, Kafka, File Extract, Direct DB,...)

EXtract & Load

Incremental vs. **Full Loads**?

Data **Scope** & **Historical** Needs

What is the expected **size** of the **extracts**?

Are there any data **volume limitations**?

How to **avoid impacting** the source system's **performance**?

Authentication and **Authorization**
(tokens, SSH keys, VPN, IP whitelisting, ...)