ACLS

NoSQL

SS 2020 – Week 11
April 27

Schedule

Calendar Week	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Module Week	1	2	3	4	5	6	7	8	9	10	11	12	13	14
Date	17.02.	24.02.	02.03.	09.03.	16.03.	23.03.	30.03.	06.04.	13.04.	20.04.	27.04.	04.05.	11.05.	18.05.
Topic											NoSQL			

15.06.2020 10.00am

February   March   April   May

Introduction & RDB   Structured Query Language   Database & Python   Database & R

Data Warehouse   **Not only SQL**   Graph Database   Special

NoSQL

Content

• Review		5'
• Data Exchange	🎓	45'
• NoSQL	🎓	45'
• Document-oriented DB	🎓	45'
• Exercise	🔧	90'

Content

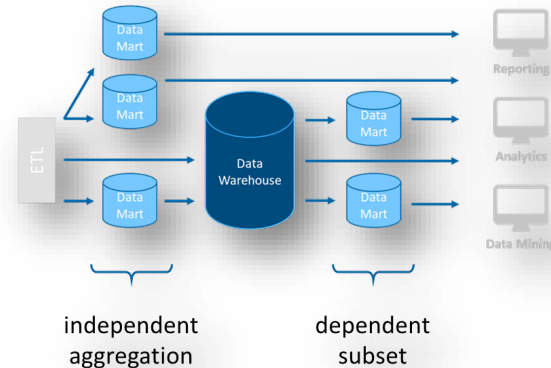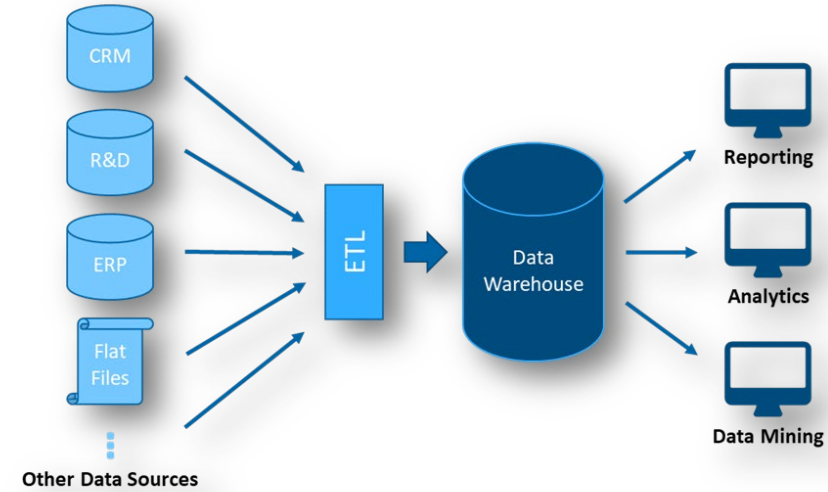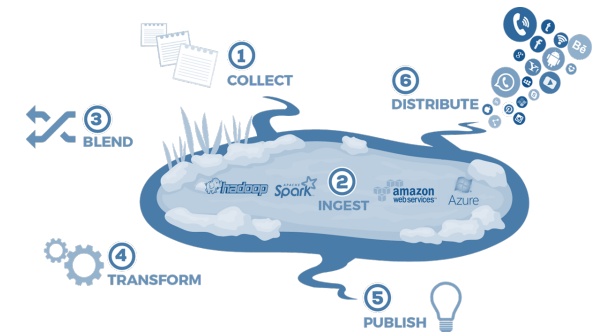|		
• Review		5'
• Data Exchange	🎓	40'
• NoSQL	🎓	45'
• Document-oriented DB	🎓	45'
• Exercise	🔧	90'

Review (1/3)

DW - Data Warehouse
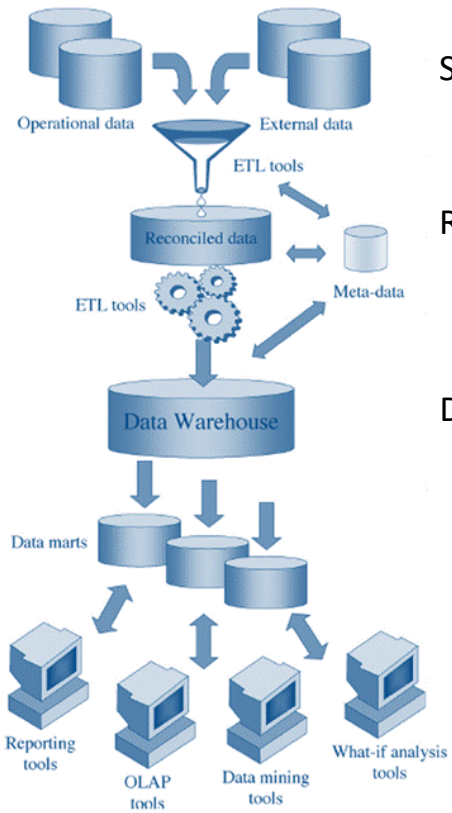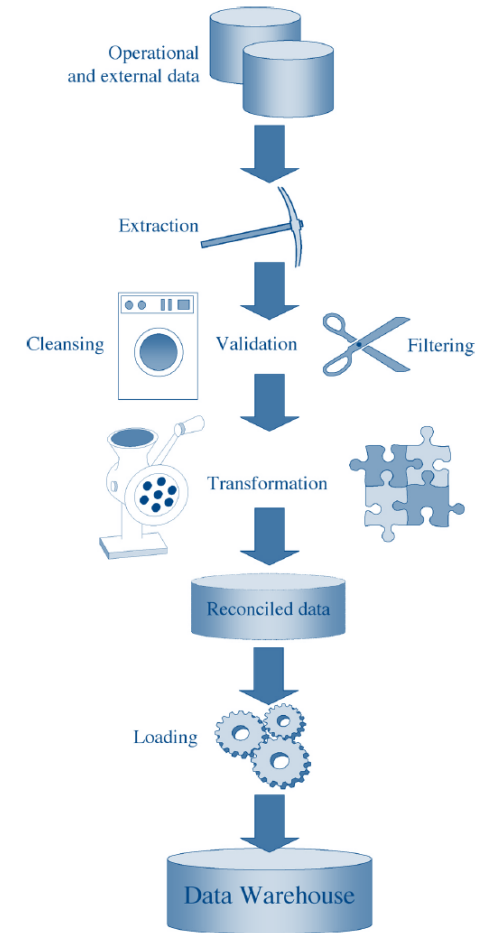
Source-Layer

Reconciled-Layer

DW-Layer

Three-Layers

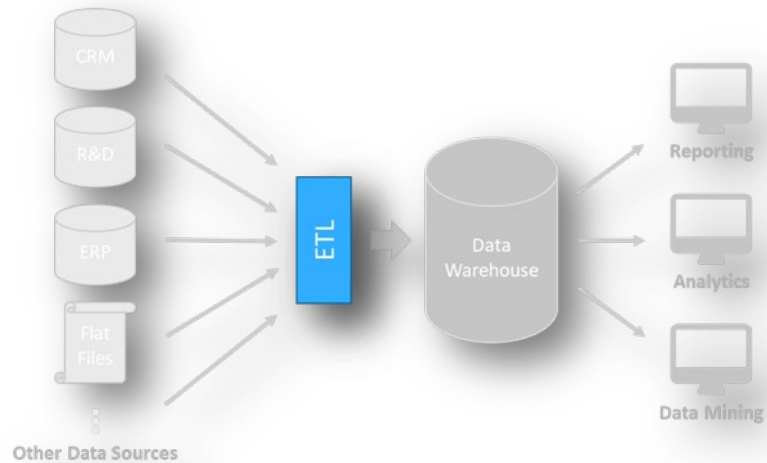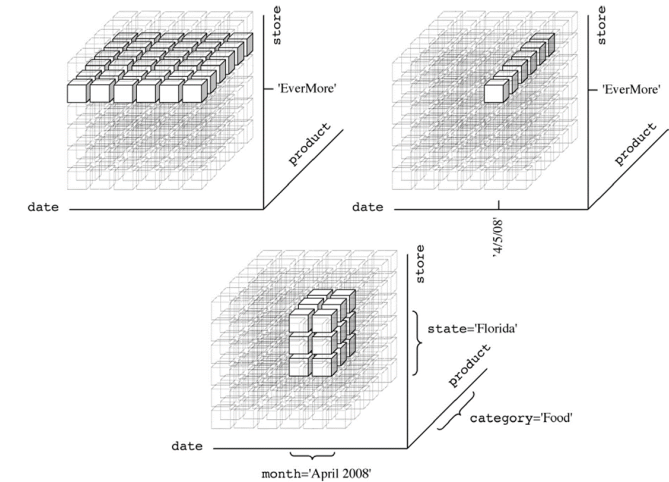

Data Marts

Data Lake

Review (2/3)

ETL

Extraction	Transformation	Load
Get Data	Prepare Data	Store Data

Review (3/3)

OLAP
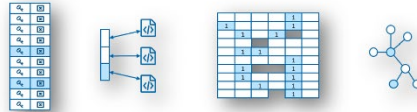
Content

Content

Content

Document-oriented

Content

- Review   5'
- Data Exchange   🎓 40'
- NoSQL   🎓 45'
- Document-oriented DB   🎓 45'
- **Exercise**   🔧 **90'**

MSc ACLS Databases and Data Architecture Systems SS20

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Week 11

📁
   📁 solution
   📄 document_oriented.pdf

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