

DV04

Define and Explore Patient Cohorts

Prerequisites

Harmonization
Standardization
Contextualization

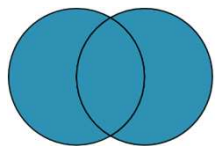
Defining a Cohort

Identifying Similarities

- Search
- Algorithms
- Knowledge

OR

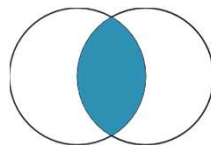
Adverse Event	
AE - Term	Pats
Headache	561
Pneumonia	59
Pyrexia	17
Respiratory tract infection	16
Insomnia	15



599 Patients

AND

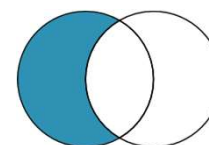
Adverse Event	
AE - Term	Pats
Headache	21
Pneumonia	21
Angina pectoris	1
Bursitis	1
Candidiasis	1



21 Patients

AND NOT

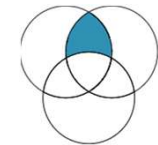
Adverse Event	
AE - Term	Pats
Pneumonia	38
Headache	0
Dyspnoea	2
Lung neoplasm malignant	2
Respiratory tract infection	2



38 Patients

AND & AND NOT

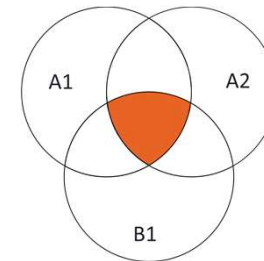
Adverse Event	
AE - Term	Pats
Headache	20
Pneumonia	20
Respiratory tract infection	0
Angina pectoris	1
Bursitis	1



20 Patients

Adverse Event	
AE - Term	Pats
Headache	5
Pneumonia	5
Constipation	1
Depression	1
Influenza	1

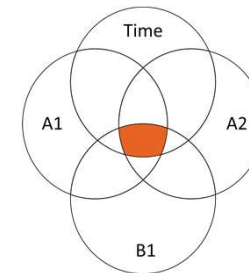
Medication	
Meds - Drug	Pats
Paracetamol	5
Drug A	3
Potassium chloride	2
Run-In Drug	2
Acetylsalicylic acid	1



Adverse Event	
AE - Term	Pats
Headache	2
Pneumonia	2
Influenza	1
Abdominal discomfort	0
Abdominal distension	0

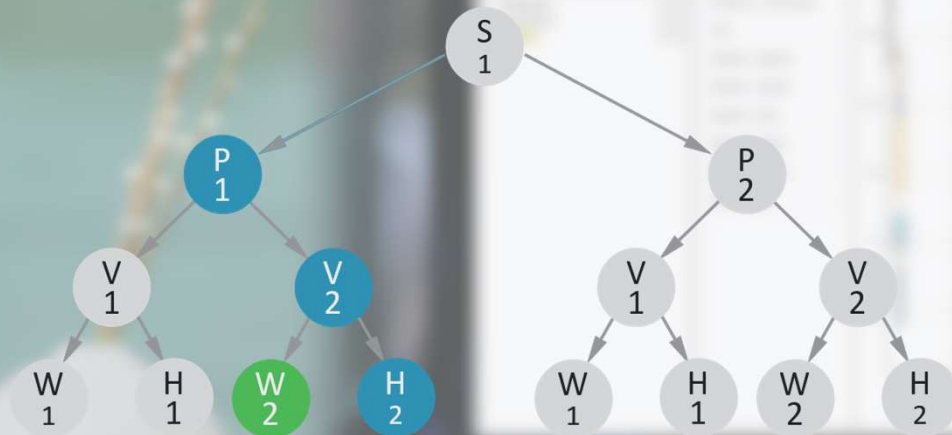
&

Medication	
Meds - Drug	Pats
Paracetamol	2
Drug A	2
Acetylsalicylic acid	1
Bisacodyl	1
Bromazepam	1

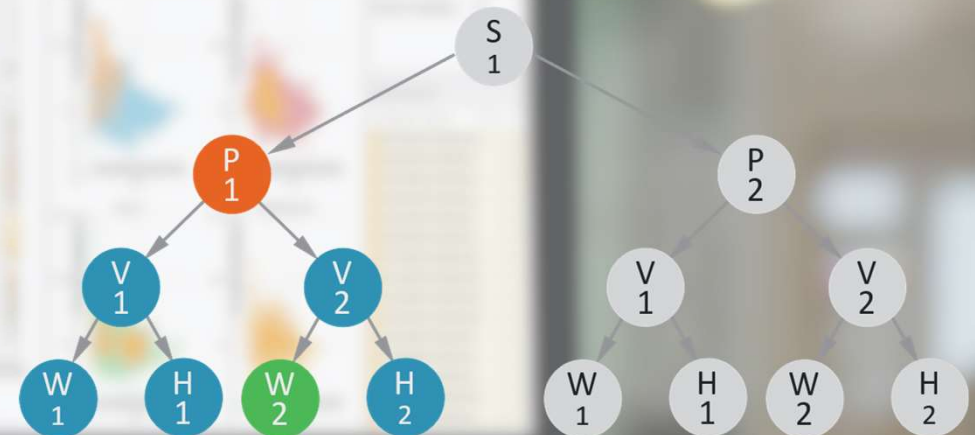


Reflective Logic

Without reflection

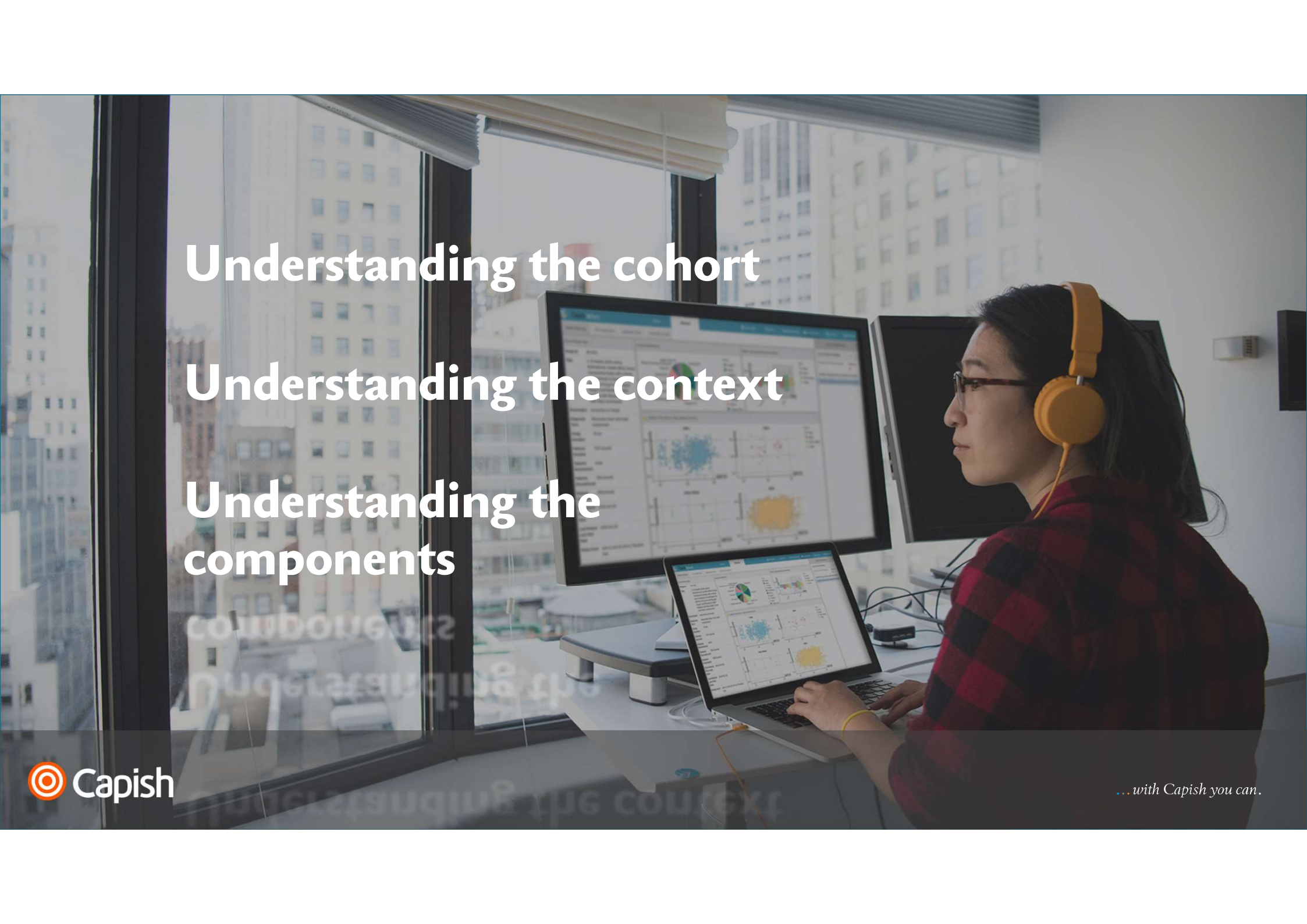


With reflection in P



 = Holon matching query criteria
 = Reflection point Holon

 = Holon in results
 = Holon not in results



Understanding the cohort

Understanding the context

Understanding the components



Dashboard

Pre-determined
views for overview



Guided Analytics

Visualizations for
specific purposes



Self- Service

Free exploration



Database Viewer

Full details

Thank you!

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