

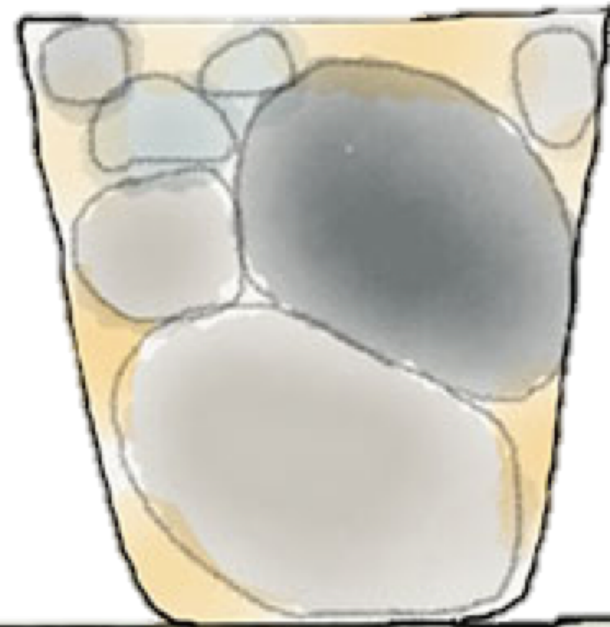
# **MACHINE LEARNING BASED JOB APPLICATION SELECTION**

**USING CLUSTERING & ANOMALY DETECTION**

A



B



# PERSONALITY TRAITS

Personality Trait 1 (e.g.: teamwork)	Personality Trait 2 (e.g.: creativity)	Personality Trait 3 (e.g.: flexibility)
Candidate 1's score from 0-9	Candidate 1's score from 0-9	Candidate 1's score from 0-9
Candidate 2's score from 0-9	Candidate 2's score from 0-9	Candidate 2's score from 0-9

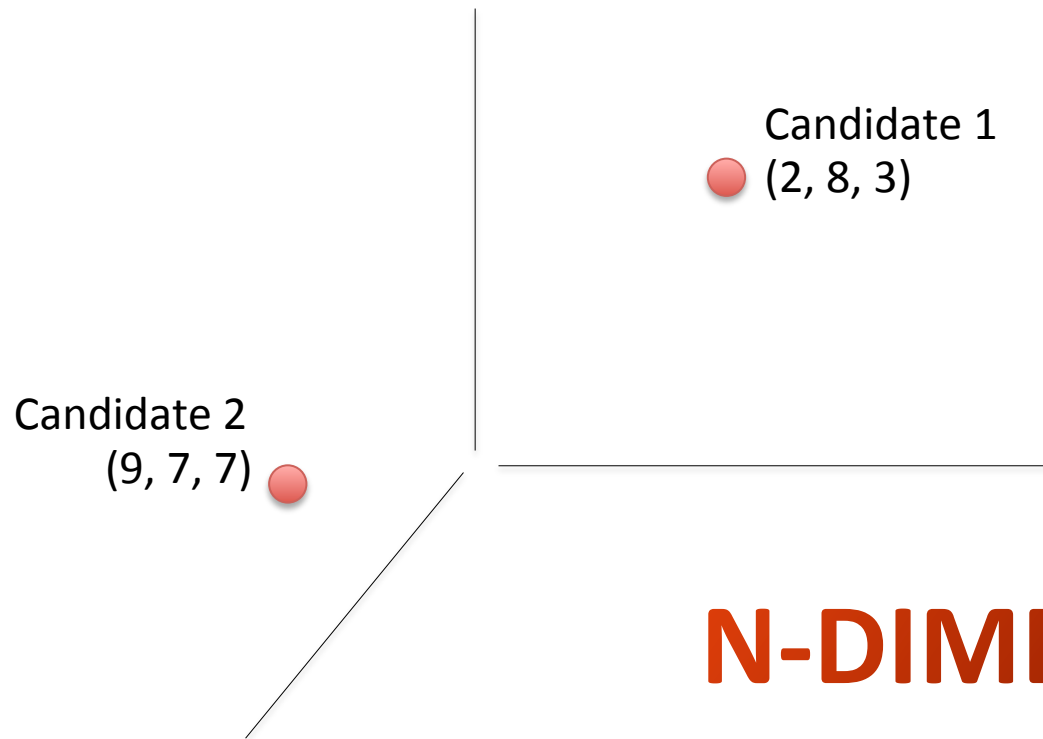


# PERSONALITY TRAITS

			Candidate 1
Teamwork	Creativity	Flexibility	
2	8	3	Candidate 2
9	7	7	



# PERSONALITY TRAITS



## N-DIMENSIONAL SPACE

# RANDOMLY GENERATED TRAINING DATA

30 Good Candidates

Teamwork	Creativity	Flexibility
7	9	7
8	6	9
6	7	9
7	7	6
9	7	8
8	6	9
7	8	6
9	8	8
6	8	6

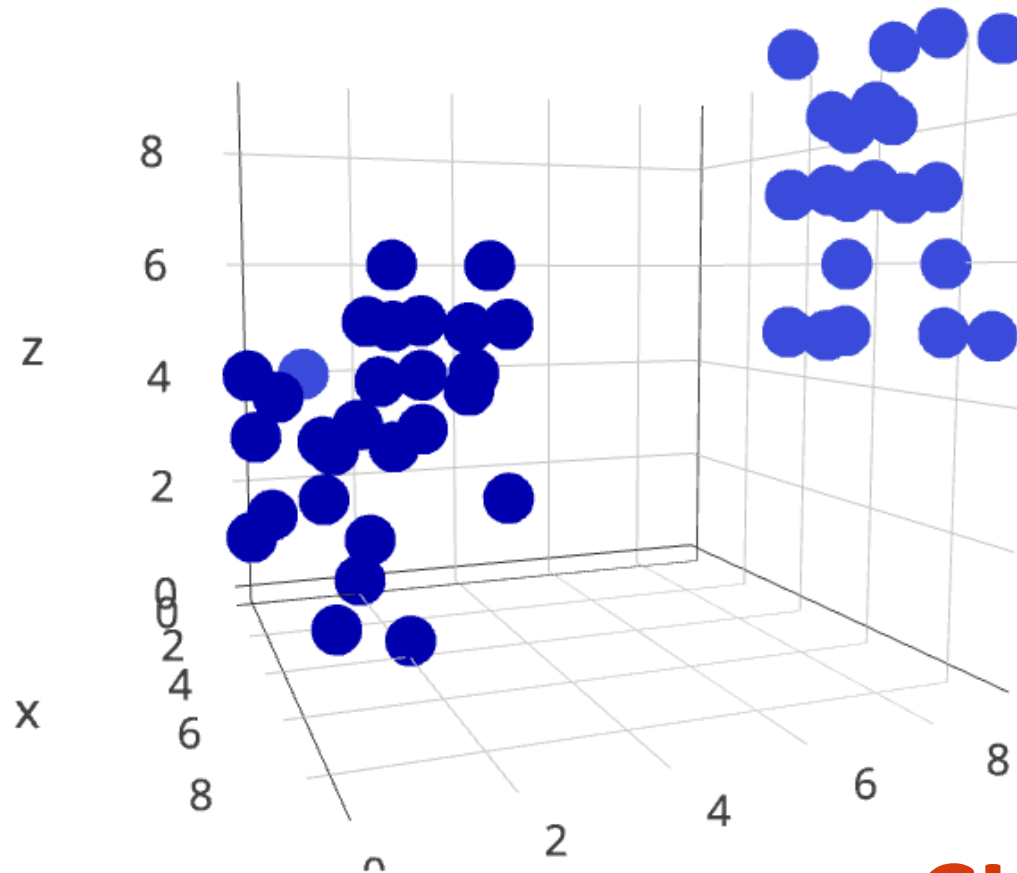


30 Bad Candidates

Teamwork	Creativity	Flexibility
0	4	2
5	5	1
2	3	1
4	5	0
2	1	1
2	3	2
4	3	1
0	2	2
3	3	3



# MACHINE LEARNING



## CLUSTERING & CENTROID SELECTION

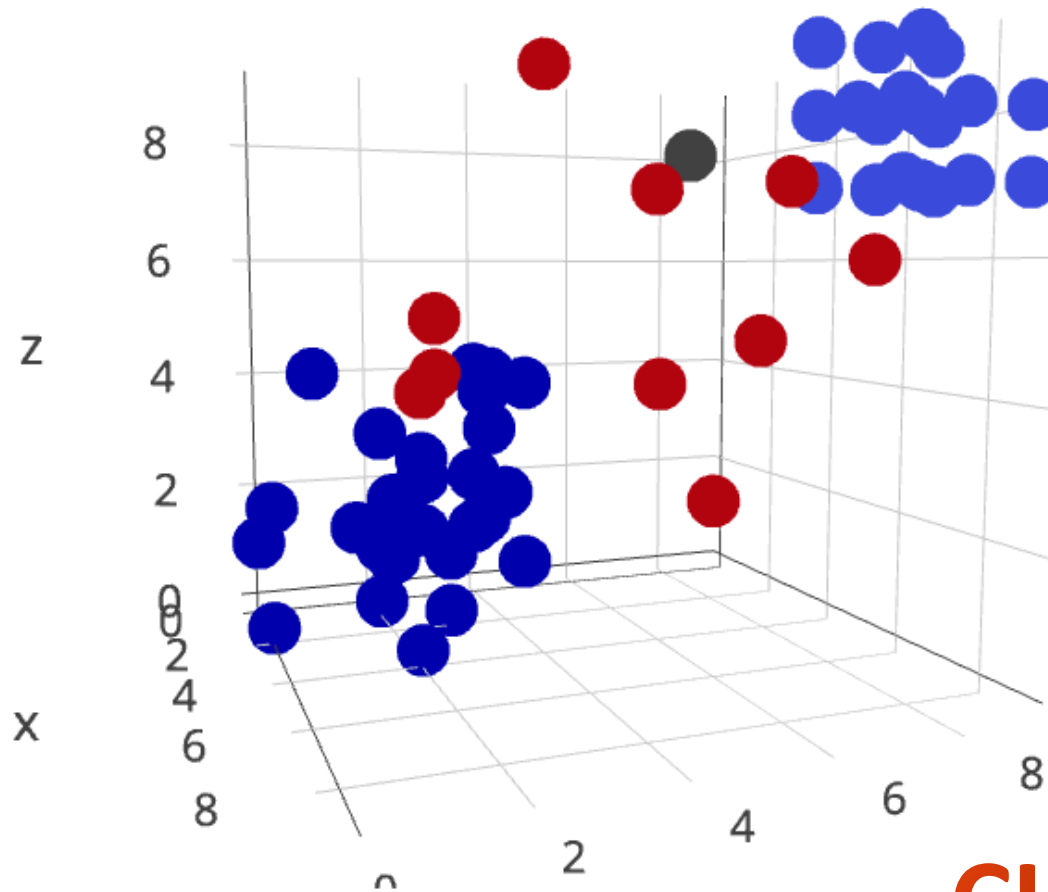
# RANDOMLY GENERATED NEW APPLICANT DATA

10 Candidates

Teamwork	Creativity	Flexibility
7	8	6
6	5	7
4	6	4
1	3	4
4	7	2
4	4	9
9	5	5
1	3	5
8	6	7
1	8	8



# MACHINE LEARNING



## CLUSTER FIT & ANOMALY DETECTION

# DEMO