

# Sampler with Precision-Recall in Target (SPRinT)

## Input

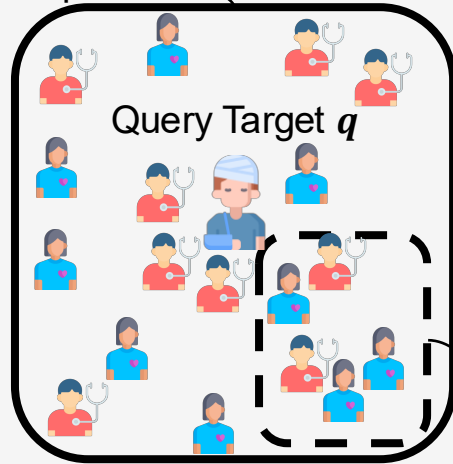
- Dataset  $D$
- Oracle embeddings by physicians
- Proxy embeddings by a cheap ML model
- An AQNN

**Example:** Find the average heart rate of patients similar to an insomnia patient  $q$ .

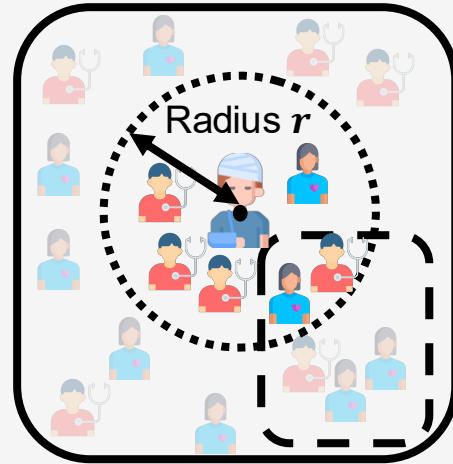
$$\text{AVG}(\text{SPRinT}_S(q, r) \\ [\text{Heart Rate}])$$

## Step 1: Sampling

Sample  $S$



## Step 2: Nearest Neighbor Selection Using SPRinT-V or SPRinT-C



Pilot Sample  $S_p$

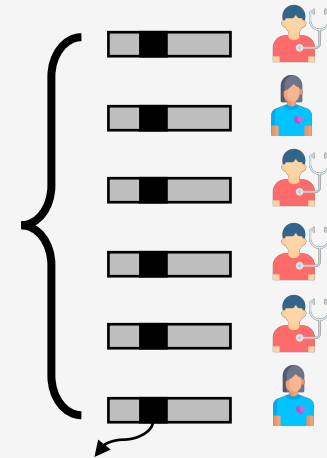
## Step 3: Aggregation

AVG

SUM

VAR

PCT



Heart Rate