

**K Isolated datasets**

Site 1

ID	Outcome	Age	Gender	...	Xp
1 <sup>(S<sub>1</sub>)</sup>	1	30	F	...	14
2 <sup>(S<sub>1</sub>)</sup>	0	46	M	...	22
...	...	...	...	...	...
N <sub>1</sub> <sup>(S<sub>1</sub>)</sup>	0	77	F	...	31

Site 2

ID	Outcome	Age	Gender	...	Xp
1 <sup>(S<sub>2</sub>)</sup>	1	30	M	...	14
2 <sup>(S<sub>2</sub>)</sup>	1	46	F	...	22
...	...	...	...	...	...
N <sub>2</sub> <sup>(S<sub>2</sub>)</sup>	0	77	M	...	31

⋮

Site K

ID	Outcome	Age	Gender	...	Xp
1 <sup>(S<sub>k</sub>)</sup>	0	30	F	...	14
2 <sup>(S<sub>k</sub>)</sup>	1	46	F	...	22
...	...	...	...	...	...
N <sub>K</sub> <sup>(S<sub>K</sub>)</sup>	0	77	M	...	31

**Federated Scoring System**

Variable	Interval	Score
Age (years)	< 25	0
	[25,46)	2
	[46, 77)	3
	[77, 85)	7
	>= 85	14
X3	< 6.5	0
	[6.5, 9.75)	13
	[9.75, 13 )	2
	>=13	4
X6	...	...
...	...	...

**Input**  
(privacy-preserving)

**FedScore**

**Output**  
(a global score model)

