Same user

1 digit pin

1. logistic regression

* log-loss = 1.0693475345668644
* F-score = 0.17952314165497896

2. support vector machine

* log-loss = 0.7311329879229175
* F-score = 0.3786030058262467

3. random forest

* log-loss = 9.135256075465508
* F-score = 0.4364932789977989

2 digit pin

logistic regression

* log-loss = 1.0969518672867216
* F-score = 0.16666666666666666

2. support vector machine

* log-loss = 0.9941361938432769
* F-score = 0.3627867657381903

3. random forest

* log-loss = 1.124735030066061
* F-score = 0.4152215231717101

Different users:

1 digit pin

1. logistic regression

* log-loss = 2.3409753484534823
* F-score = 0.026766720933387597

2. support vector machine

* log-loss = 2.3501423096076755
* F-score = 0.06358637690534243

3. random forest

* log-loss = 0.536208205859555
* F-score = 0.09163220200508074

2 digit pin:

1. logistic regression

* log-loss = 2.296792926926123
* F-score=0.05356113491450017

2. support vector machine

* log-loss = 2.3087167400685615
* F-score=0.08528307996604406

3. random forest

* log-loss = 29.376152071956536
* F-score=0.1452235597889162