## **Program codes**

## **Private Data**

URL	Description
1 Random Forest.ipynb	This code contains:
	1. Data preparation and preprocessing;
	2. Feature selection and transformation;
	3. Tuning and training Random Forest;
	4. Training Random Forest on data without B/W-tests;
	5. Model evaluation and calculation of confidence
2 Chris Chris Chris	intervals.
2 CNN3 CNN6 CNN8.ipynb	This code contains:
	Data preparation and preprocessing;     Feature selection and transformation;
	3. Tuning and training CNN3, CNN6 and CNN8.
3 CNN3 CNN6 CNN8 no BW-	This code contains:
tests.ipynb	Tuning and training CNN3, CNN6 and CNN8 on data
	without B/W-tests.
4_DenseNet-6.ipynb	This code contains:
	1. Tuning and training DenseNet-6.
5_DenseNet-6_no_BW-tests.ipynb	This code contains:
	1. Tuning and training DenseNet-6 on data without
( D ) V ( 0 ) 1	B/W-tests.
6 DenseNet-8.ipynb	This code contains:
7_DenseNet-8_no_BW-tests.ipynb	Tuning and training DenseNet-8.  This code contains:
7_Deliservet-8_lio_B w-tests.lpylio	1. Tuning and training DenseNet-8 on data without
	B/W-tests.
8 F-DenseNet-6 part1.ipynb	This code contains:
9_F-DenseNet-6_part2.ipynb	1. Tuning and training F-DenseNet-6.
10_F-DenseNet-6_no_BW-	This code contains:
tests.ipynb	1. Tuning and training F-DenseNet-6 on data without
11 F.D N 0 1	B/W-tests.
11_F-DenseNet-8_part1.ipynb 12_F-DenseNet-8_part2.ipynb	This code contains: 1. Tuning and training F-DenseNet-8.
13 F-DenseNet-8 part3.ipynb	1. Tunning and training F-Denselvet-6.
15 1 -Denservet-o parts.ipyno	
14 F-DenseNet-8 no BW-	This code contains:
tests.ipynb	1. Tuning and training F-DenseNet-8 on data without
	B/W-tests.
15 SpiderNet-6.ipynb	This code contains:
	1. Tuning and training SpiderNet-6.
16_SpiderNet-6_no_BW-	This code contains:
tests.ipynb	1. Tuning and training SpiderNet-6 on data without
17 SpiderNet-8.ipynb	B/W-tests. This code contains:
17 Spidernet-o.ipyllo	1. Tuning and training SpiderNet-8.
18 SpiderNet-8 no BW-	This code contains:
tests.ipynb	1. Tuning and training SpiderNet-8 on data without
	B/W-tests.
19 Models Evaluation.ipynb	This code contains:
	1. Model evaluation for CNN3, CNN6, CNN8,
	DenseNet-6, DenseNet-8, F-DenseNet-6, F-
	DenseNet-8, SpiderNet-6 and SpiderNet-8.
	2. Calculation of confidence intervals for all results.

## **Public Data**

URL	Description
1 Random Forest.ipynb	This code contains:  1. Data preparation and preprocessing;  2. Feature selection and transformation;  3. Tuning and training Random Forest;  4. Training Random Forest on data without B/W-tests;  5. Model evaluation and calculation of confidence intervals.
2 CNN3 CNN6 CNN8.ipynb	This code contains: 1. Data preparation and preprocessing; 2. Feature selection and transformation; 3. Tuning and training CNN3, CNN6 and CNN8.
3 DenseNet-6.ipynb	This code contains: 1. Tuning and training DenseNet-6.
4 DenseNet-8.ipynb	This code contains: 1. Tuning and training DenseNet-8.
5 F-DenseNet-6 part1.ipynb 6 F-DenseNet-6 part2.ipynb 7 F-DenseNet-6 part3.ipynb	This code contains: 1. Tuning and training F-DenseNet-6.
8_F-DenseNet-8_part1.ipynb 9_F-DenseNet-8_part2.ipynb 10_F-DenseNet-8_part3.ipynb	This code contains: 1. Tuning and training F-DenseNet-8.
11_SpiderNet-6.ipynb	This code contains: 1. Tuning and training SpiderNet-6.
12_SpiderNet-8.ipynb	This code contains: 1. Tuning and training SpiderNet-8.
13 Models Evaluation.ipynb	This code contains:  1. Model evaluation for CNN3, CNN6, CNN8, DenseNet-6, DenseNet-8, F-DenseNet-6, F- DenseNet-8, SpiderNet-6 and SpiderNet-8;  2. Calculation of confidence intervals for all results.