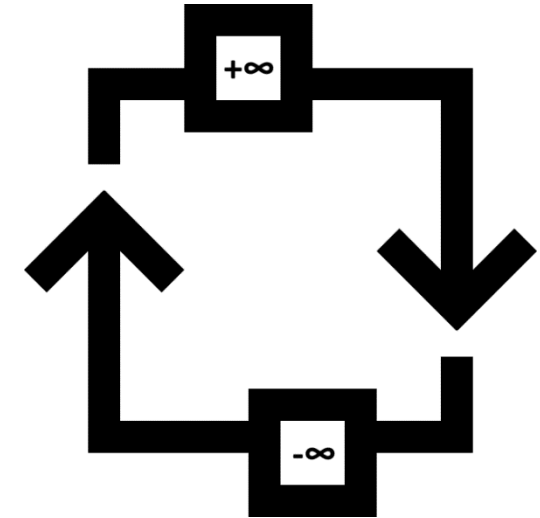


Stroke Prediction

Convergent Analytics Health AI Suite



OpenEMR

localhost:18080/OpenEMR-7.0.2/interface/main/tabs/main.php?token_main=VBg4zVOoeLQq6QztOCnkUT5n1Wx0zZJ4NJJ0gpMR

CalendarFinderFlowRecallsMessagesPatientFeesModulesProceduresAdminReportsMiscellaneousPopups

Search by any demograph

CalendarMessage CenterPatient Flow Board ReportPatient FinderjBPM Generic Callout

Health AI Solution Catalog

OpenEMR

Submit parameters and click on a link below to produce a callout to a specific solution deployed i

- [Stroke Prediction: Train/Validate/Test](#)

Parameters:

1

- number of loop iterations

"C:/xampp/htdocs/OpenEMF

- path to working directory

Submit

jBPM

Sub Process 1

Setup

KeepAlive

Cleanup

Sub Process 2

Setup

OneOff

Repeat

Loop

Check

Result

Cleanup

PostgreSQL: accuracy test output

localhost:18080/OpenEMR-7.0.2/interface/main/ta

Calendar Finder Flow Recalls Messages Patient Fees Modules

Calendar Message Center jBPM Generic Callout

Health AI Solution Catalog

Submit parameters and click on a link below to produce a callout to a specif

- Stroke Prediction: Train/Validate/Test

Parameters:

1

"C:/xampp/htdocs/OpenEMF

["id','gender','ever_married',

1

1

1

25.0

10.0

0.9

1

5

0.99

""

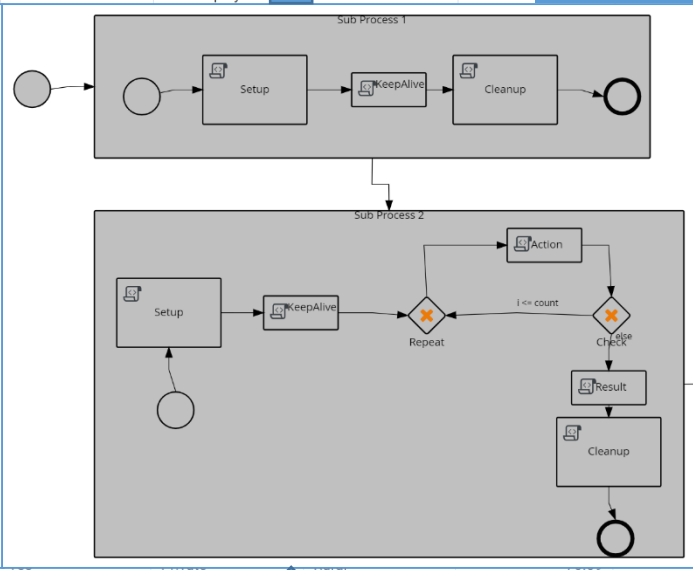
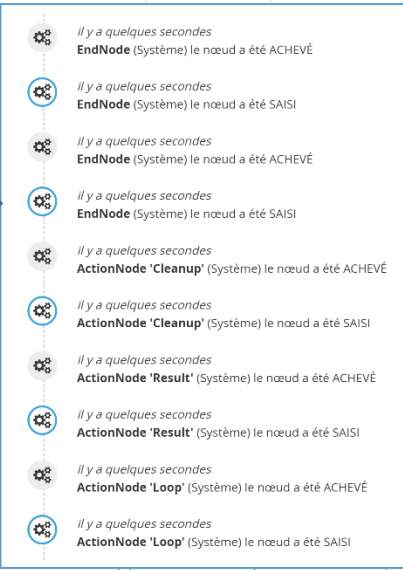
1

0

- number of loop iterations
- path to working directory
- list of columns to ignore in models
- sample balancing ratio
- number of training runs
- number of testing runs
- average gain per detected target
- average loss per processed case
- sample training fraction
- training-coupled validation flag
- number of folds
- training sample bagging fraction
- array of ensemble weight overrides
- training-based ensemble weights flag
- validation-based ensemble weights flag

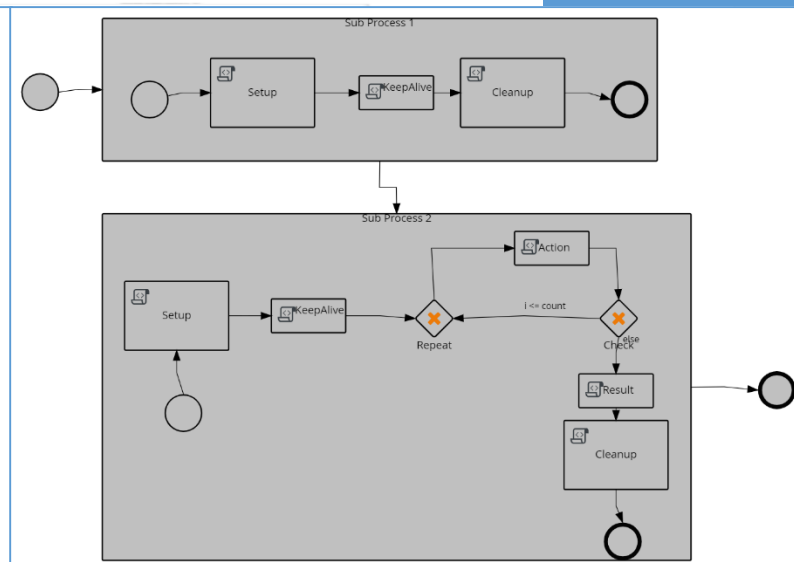
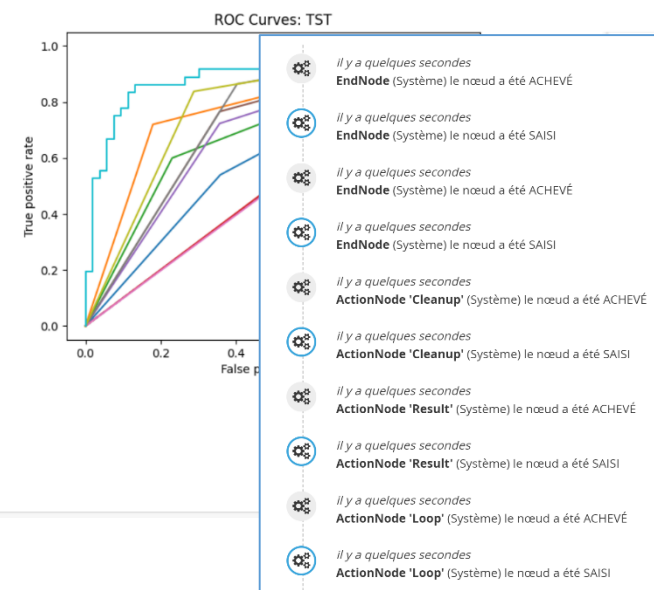
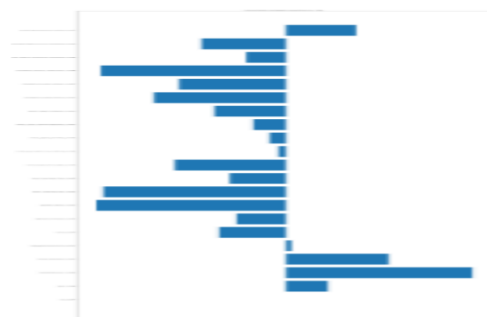
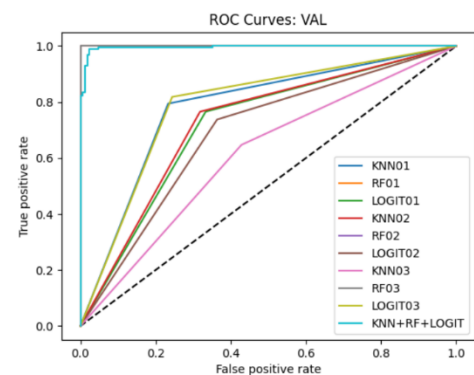
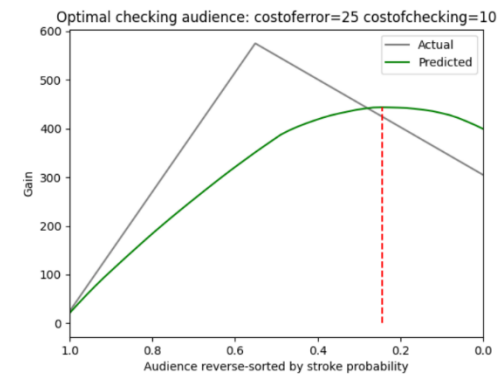
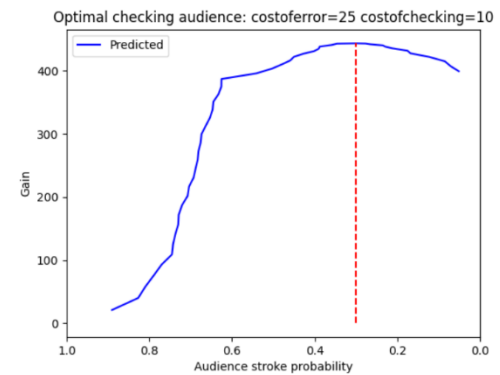
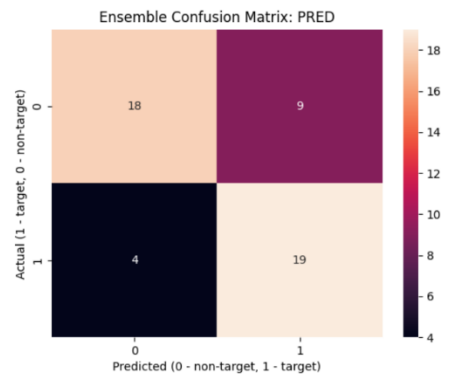
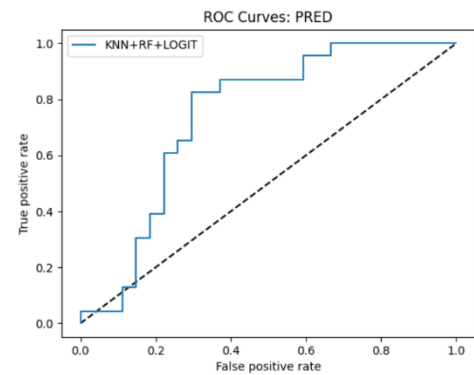
OpenEMR

	gender character varying	age double precision	hypertension integer	heart_disease integer	ever_married character varying	work_type character varying	residence_type character varying	avg_glucose_level double precision	bmi double precision	smoking_status character varying	stroke integer	prediction double prec
1	Female	61	0	1	Yes	Govt_Job	Rural	120.46	36.8	smokes	1	0.79766
2	Male	60	1	0	Yes	Govt_Job	Urban	213.03	20.2	smokes	1	0.475039
3	Male	61	0	1	Yes	Private	Rural	111.81	27.3	smokes	1	0.78500
4	Female	77	0	0	Yes	Govt_Job	Rural	190.32	31.4	never smoked	1	0.406125
5	Female	54	0	0	Yes	Self-employed	Rural	191.82	40.4	smokes	1	0.24938
6	Female	45	0	0	Yes	Private	Rural	224.1	56.6	never smoked	1	0.450421
7	Male	80	0	0	Yes	Private	Rural	259.63	31.7	smokes	1	0.428965
8	Male	76	1	0	Yes	Self-employed	Rural	194.37	27	formerly smoked	1	0.55721
9	Male	68	0	0	Yes	Self-employed	Urban	77.82	27.5	smokes	1	0.30128
10	Female	50	0	0	Yes	Private	Rural			smokes	1	0.270581
11	Female	57	0	0	Yes	Private	Urban			smokes	1	0.83525
12	Female	81	1	0	Yes	Self-employed	Rural			er smoked	1	0.57274
13	Female									erly smoked	1	0.83068
14	Male									smokes	1	0.37013
15	Female									smokes	1	0.76067
16	Male									known	1	0.95144
17	Female									er smoked	1	0.69915
18	Female									er smoked	1	0.84744
										smokes	1	0.85460
										er smoked	1	0.8311
										er smoked	1	0.91937
Ln 1, Col 1												
	smoking_status acter varying									stroke integer		
	erly smoked										1	
	r smoked										1	
	r smoked										1	
	smokes										1	
	er smoked										1	
	erly smoked										1	
	er smoked										1	
	never smoked										1	
	Unknown										1	
	Unknown										1	
	never smoked										1	
	smokes										1	
	smokes										1	
	Unknown										1	
	never smoked										1	
	Unknown										1	
	smokes										1	
Ln 2, Col 1												
Total rows: 3000 of 5110												
Query complete 00:00:00.154												
Rows selected: 1												



PostgreSQL: original unsplit data

- Response ID: 343
- Response code: 201



OpenEMR

localhost:18080/OpenEMR-7.0.2/interface/main/ta...

Calendar Finder Flow Recalls Messages Patient Fees Modules Procedures Admin Reports Miscellaneous Popups

Patient 9046 (NA) ×

DOB: 0000-00-00 Age: 2025

Select Encounter (0)

Calendar Message Center Patient Finder Dashboard

Stroke Risk

- Response ID:
- Response code:
- Known risk:
- Predicted risk:

Parameters: Stroke Risk

Medical Record Dashboard - Patient Male 9046 67

Dashboard History Report Documents Transactions Issues Ledger External Data

Allergies Medical Problems

click

OpenEMR

localhost:18080/OpenEMR-7.0.2/interface/main/ta...

Calendar Finder Flow Recalls Messages Patient Fees Modules Procedures Admin Reports Miscellaneous Popups

Patient 9046 (NA) ×

DOB: 0000-00-00 Age: 2025

Select Encounter (0)

Calendar Message Center Patient Finder Dashboard

Stroke Risk

- Response ID: 729
- Response code: 201
- Known risk: 1
- Predicted risk: 0.9246

Parameters: Stroke Risk

Medical Record Dashboard - Patient Male 9046 67

Dashboard History Report Documents Transactions Issues Ledger External Data

Allergies Medical Problems

Business Central

localhost:8080/business-central/kie-wb.jsp#Process...

Accueil > Gérer les instances de processus

Filtres

État

Actif

Abandonné

Terminé

En attente

Suspendu

Gérer

Instances de processus

Filtres actifs: État: Terminé

ID	Nom	Description
729	stroke-act	stroke-act

Business Central

localhost:8080/business-central/kie-wb.jsp#Process...

Accueil > Gérer les instances de processus > Instance de processus : 729

729 - stroke-act

Détails de l'instance

Variables de processus

Documents

Journaux

Diagramme

Nom	Valeur	Type	Derni
path	C:/xampp/htdocs/OpenEMR-7.0.2/interface/...		16-fé
predfrac	0.9		16-fé
prediction00	0.9246		16-fé

OpenEMR

localhost:18080/OpenEMR-7.0.2/interface/main/tabs/main.php?token_main=hgcF5PT67RQ6FJ6Oz9fRtkymMjR2trzfZ4pLqGrb

Calendar Finder Flow Recalls Messages Patient Fees Modules Procedures Admin Reports Miscellaneous Popups

Patient 9046 (NA) ×
DOB: 0000-00-00 Age: 2025

Calendar Message Center Dashboard jBPM Generic Callout

Health AI Solution Catalog

▼ Stroke Prediction

Stroke Risk

- Response ID: 763
- Response code: 201
- Known risk: 1
- Predicted risk: 0.9202

Parameters

predict request

predict response

Medical Record Dashboard - Patient Male 9046 67

OpenEMR

localhost:18080/OpenEMR-7.0.2/interface/main/tabs/main.php?token_main=hgcF5PT67RQ6FJ6Oz9fRtkymMjR2trzfZ4pLqGrb

Calendar Finder Flow Recalls Messages Patient Fees Modules Procedures Admin Reports Miscellaneous Popups

Calendar Message Center Patient Finder Dashboard jBPM Generic Callout

Health AI Solution Catalog

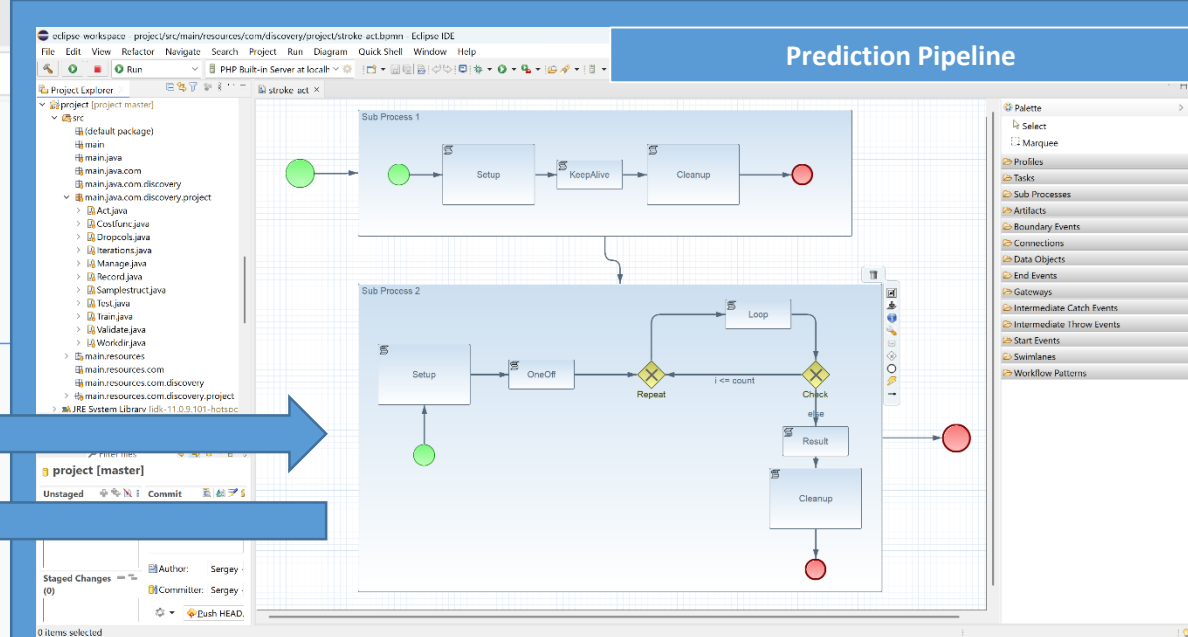
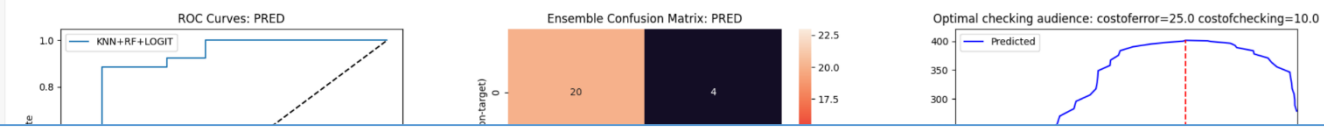
▼ Stroke Prediction

Train/Validate/Test

- Response ID: 761
- Response code: 201
- Test accuracy: 0.86
- Test TPR: 0.8519
- Test TNR: 0.8696
- Test PPV: 0.8846
- Test NPV: 0.8333

train/validate/test request

train/validate/test response



jBPM

