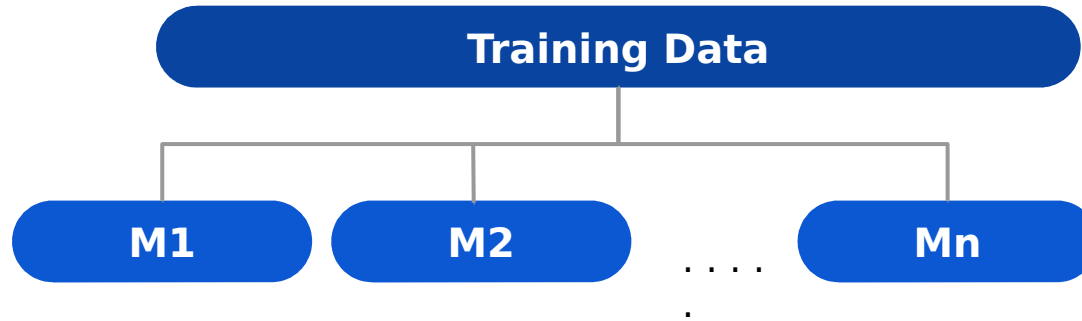


Advanced Ensemble Techniques

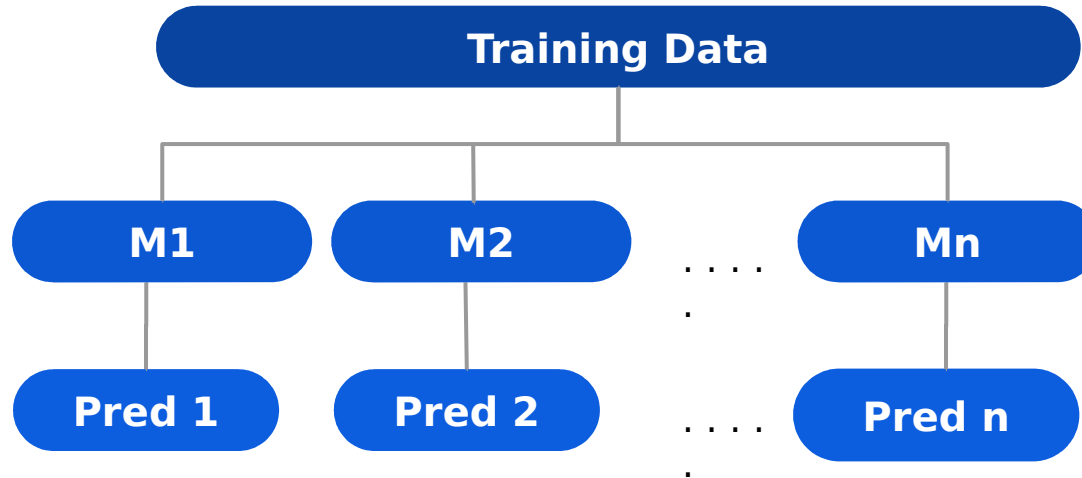
Basic Ensemble Techniques

Training Data

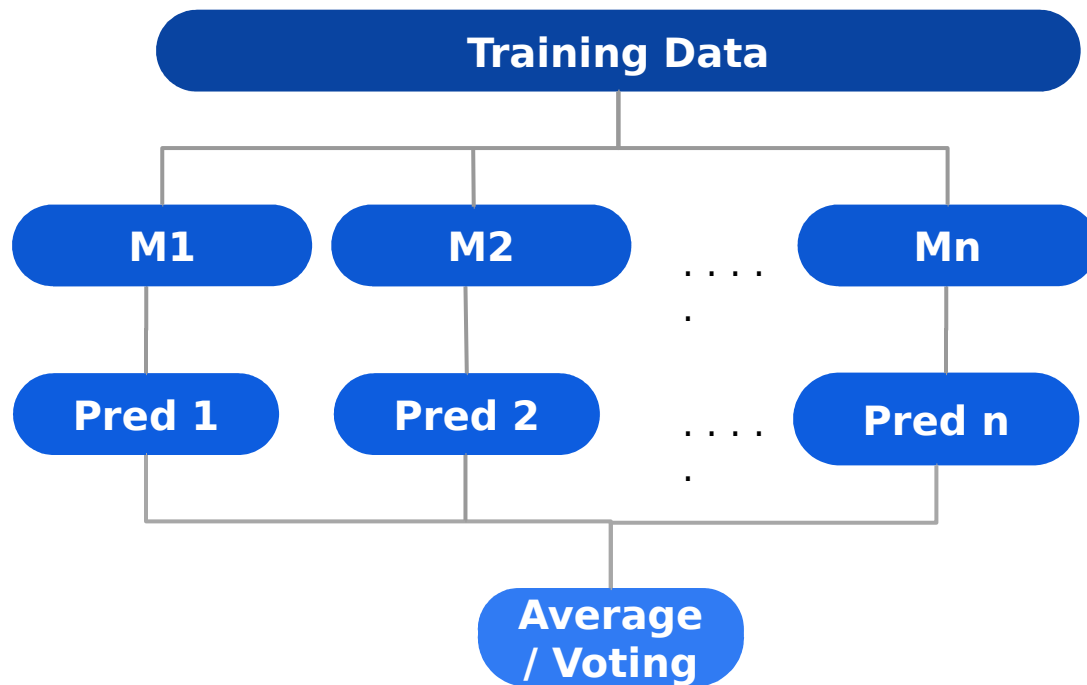
Basic Ensemble Techniques



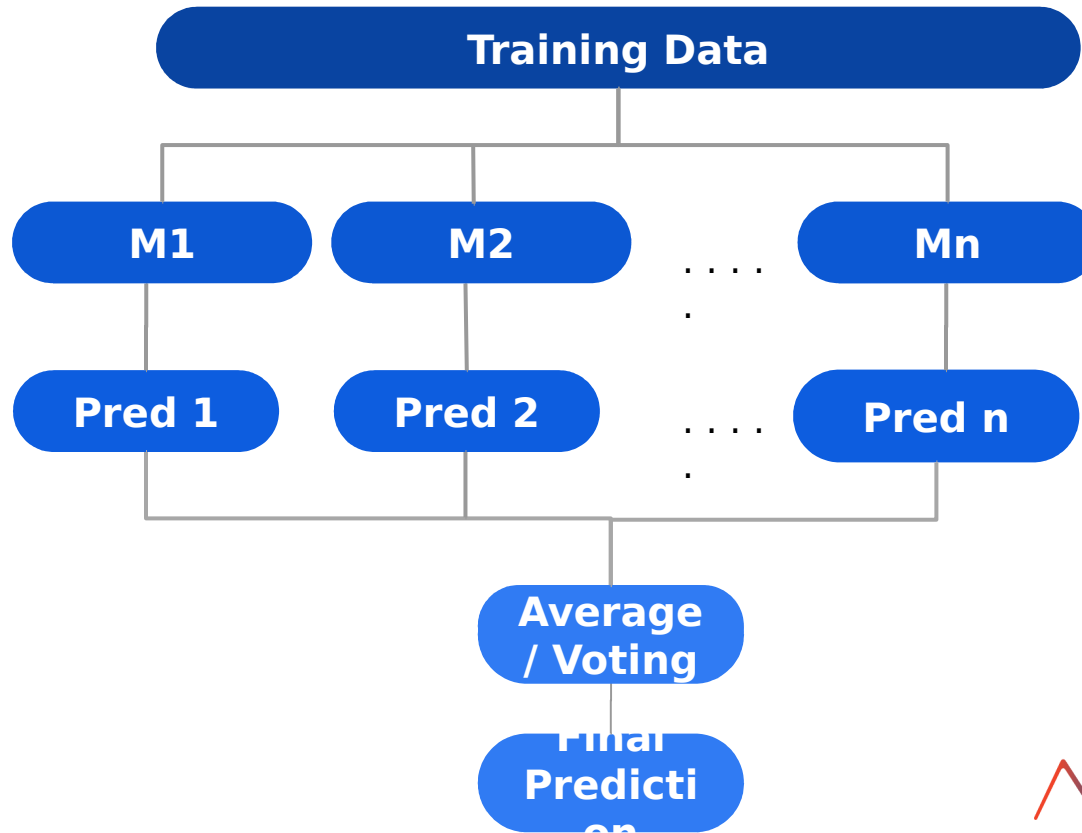
Basic Ensemble Techniques



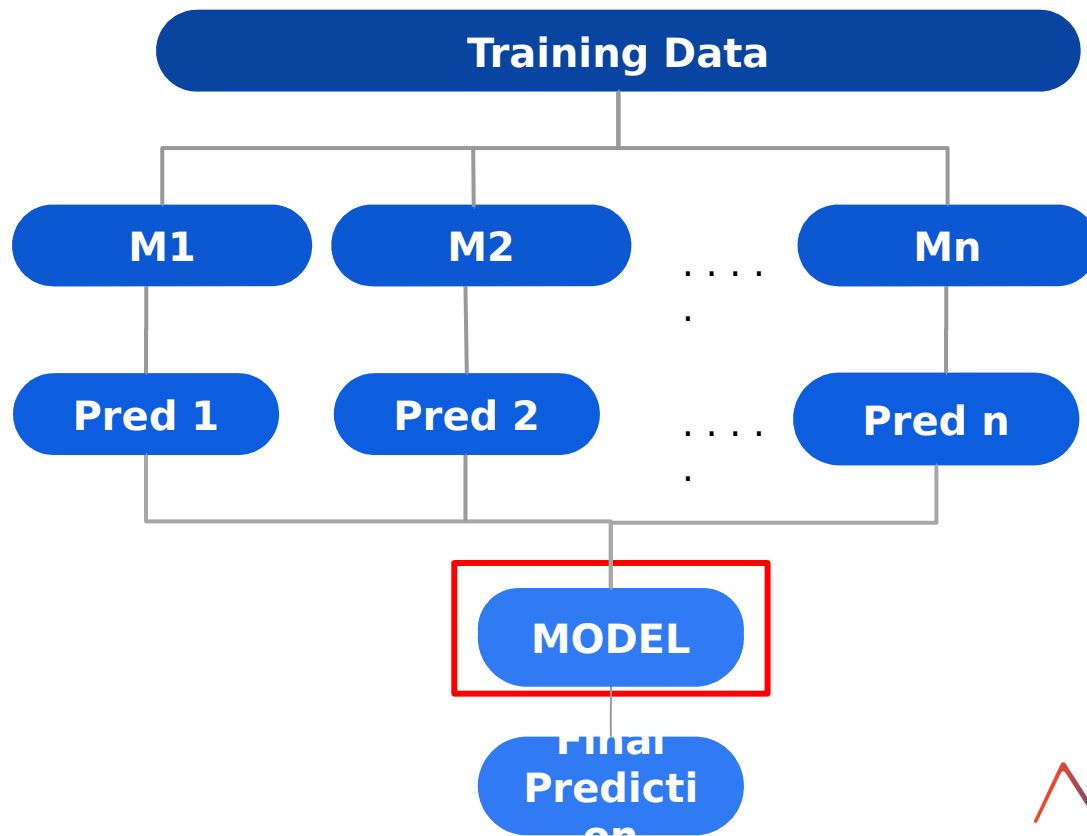
Basic Ensemble Techniques



Basic Ensemble Techniques



Advanced Ensemble Techniques



Basic Ensemble Techniques

Target

Features

PassengerId	Survived	Pclass	Name	Sex	Age	SibSp	Parch
1	0	3	Braund, Mr. Owen Harris	male	22.0	1	0
2	1	1	Cumings, Mrs. John Bradley (Florence Briggs Th...	female	38.0	1	0
3	1	3	Heikkinen, Miss. Laina	female	26.0	0	0
4	1	1	Futrelle, Mrs. Jacques Heath (Lily May Peel)	female	35.0	1	0
5	0	3	Allen, Mr. William Henry	male	35.0	0	0

Basic Ensemble Techniques

Target

New Features

M1

M2

M3

PassengerId	Survived
1	0
2	1
3	1
4	1
5	0

Pred 1	Pred 2	Pred 3
0	1	0
0	1	1
1	1	0
1	0	1
0	0	0

Max Voting

Target

New Features

M1

M2

M3

PassengerId	Survived
1	0
2	1
3	1
4	1
5	0

Pred 1	Pred 2	Pred 3
0	1	0
0	1	1
1	1	0
1	0	1
0	0	0

Max Voting

Stacking

Target

New Features

M1

M2

M3

PassengerId	Survived
1	0
2	1
3	1
4	1
5	0

Pred 1	Pred 2	Pred 3
0	1	0
0	1	1
1	1	0
1	0	1
0	0	0

Max Voting

Logistic
Regression

Basic Ensemble Techniques

Features

Target

	Item_Identifier	Item_Weight	Item_Fat_Content	Item_Visibility	Item_Type	Item_MRP	Item_Outlet_Sales
0	FDA15	9.30	Low Fat	0.016047	Dairy	249.8092	3735.1380
1	DRC01	5.92	Regular	0.019278	Soft Drinks	48.2692	443.4228
2	FDN15	17.50	Low Fat	0.016760	Meat	141.6180	2097.2700
3	FDX07	19.20	Regular	0.000000	Fruits and Vegetables	182.0950	732.3800
4	NCD19	8.93	Low Fat	0.000000	Household	53.8614	994.7052

Basic Ensemble Techniques

Target

New Features

M1

M2

M3

Predicted Values 1	Predicted Values 2	Predicted Values 3
3900	3000	3500
390	340	500
2000	1900	2600
700	600	750
950	800	1060

	Item_Outlet_Sales
0	3735.1380
1	443.4228
2	2097.2700
3	732.3800
4	994.7052

Averaging

Target

New Features

M1

M2

M3

	Item_Outlet_Sales	Predicted Values 1	Predicted Values 2	Predicted Values 3
0	3735.1380	3900	3000	3500
1	443.4228	390	340	500
2	2097.2700	2000	1900	2600
3	732.3800	700	600	750
4	994.7052	950	800	1060

Averaging

Stacking

Target

New Features

M1

M2

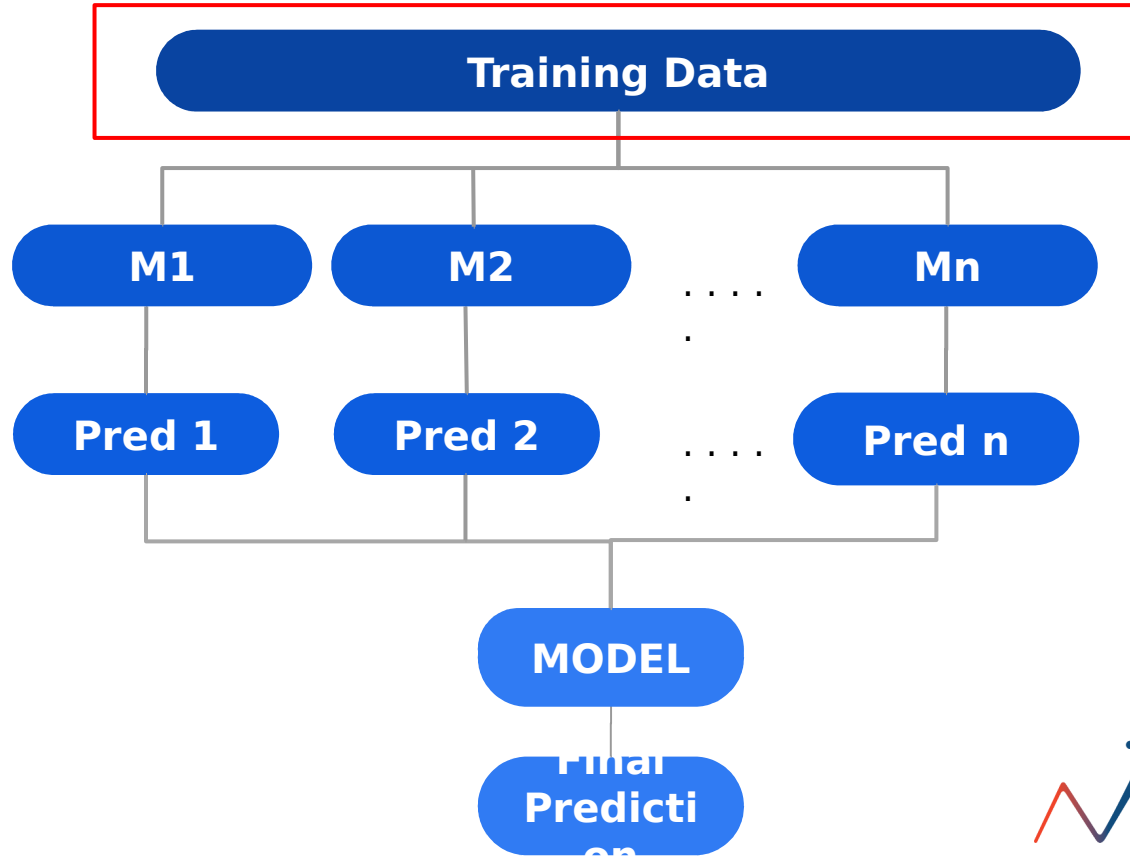
M3

	Item_Outlet_Sales	Predicted Values 1	Predicted Values 2	Predicted Values 3
0	3735.1380	3900	3000	3500
1	443.4228	390	340	500
2	2097.2700	2000	1900	2600
3	732.3800	700	600	750
4	994.7052	950	800	1060

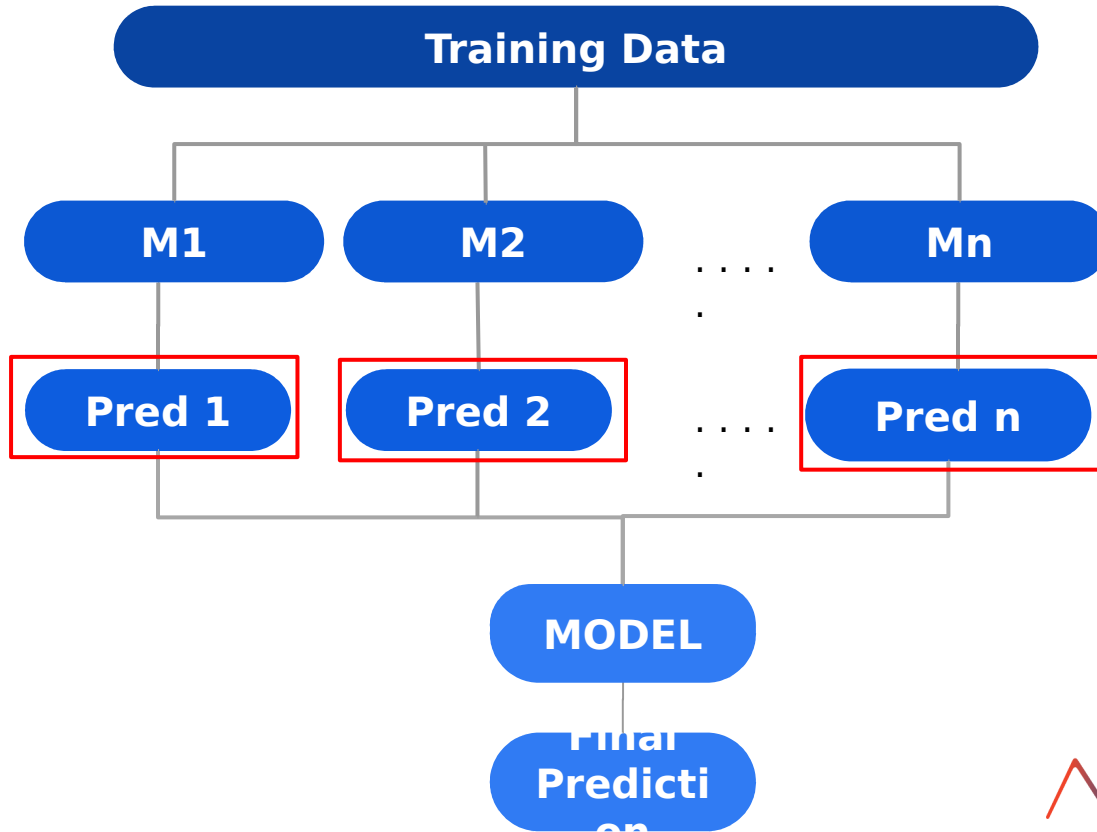
Averaging

Linear
Regression

Stacking



Stacking



Stacking

