Model Selection

Data Set

Data Set

Train/Test Split

70%

30%

Data Set

Training Set

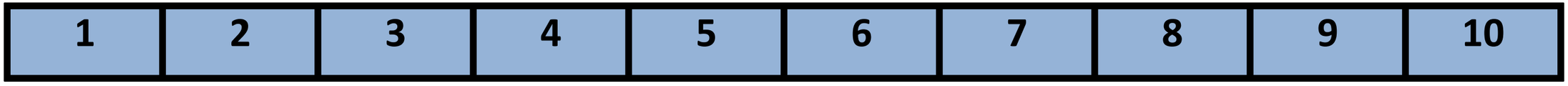
70%

Training Set

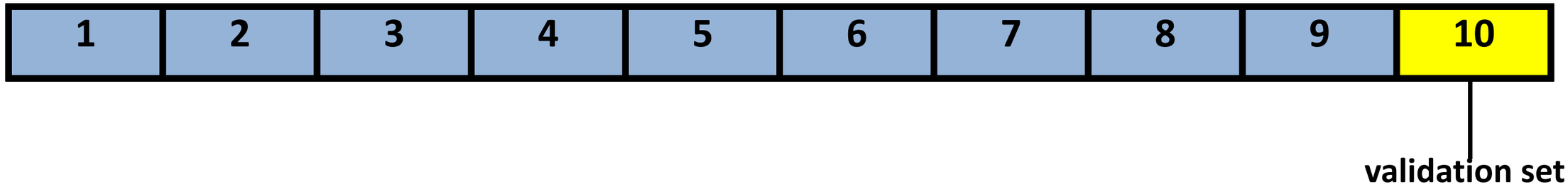
K-fold Cross Validation

Training Set

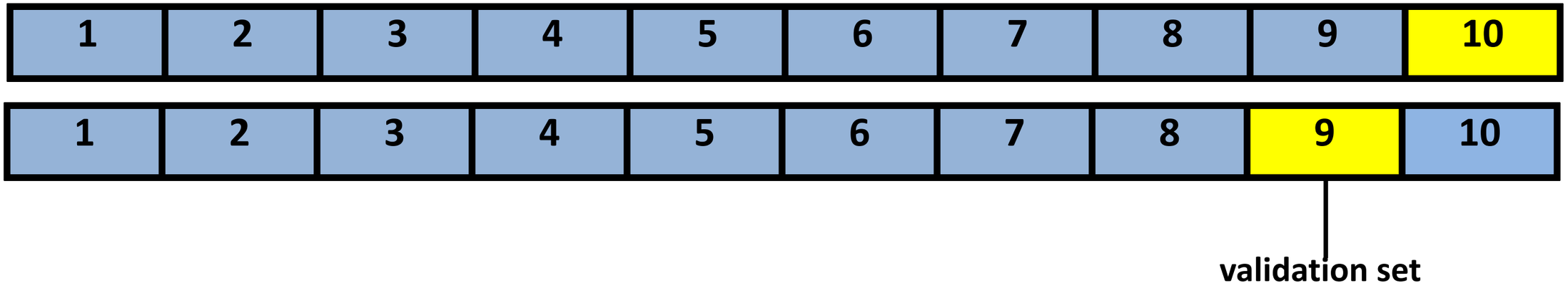
10-fold Cross Validation



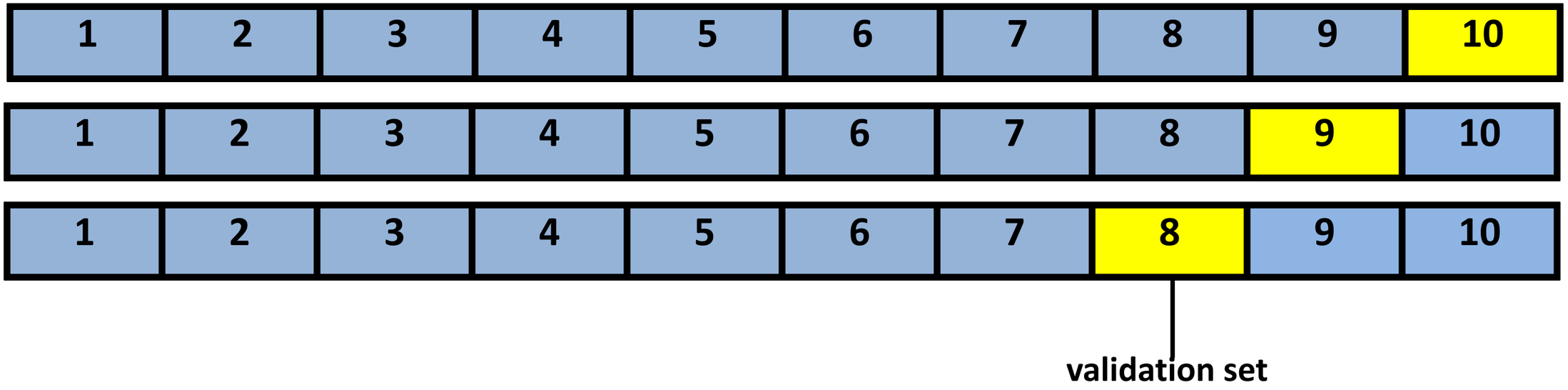
10-fold Cross Validation



10-fold Cross Validation



10-fold Cross Validation



10-fold Cross Validation

1	2	3	4	5	6	7	8	9	**10**
1	2	3	4	5	6	7	8	**9**	10
1	2	3	4	5	6	7	**8**	9	10
1	2	3	4	5	6	**7**	8	9	10
1	2	3	4	5	**6**	7	8	9	10
1	2	3	4	**5**	6	7	8	9	10
1	2	3	**4**	5	6	7	8	9	10
1	2	**3**	4	5	6	7	8	9	10
1	**2**	3	4	5	6	7	8	9	10
1	2	3	4	5	6	7	8	9	10

10-fold Cross Validation

1	2	3	4	5	6	7	8	9	**10**	.69
1	2	3	4	5	6	7	8	**9**	10	.64
1	2	3	4	5	6	7	**8**	9	10	.73
1	2	3	4	5	6	**7**	8	9	10	.82
1	2	3	4	5	**6**	7	8	9	10	.64
1	2	3	4	**5**	6	7	8	9	10	.70
1	2	3	**4**	5	6	7	8	9	10	.68
1	2	**3**	4	5	6	7	8	9	10	.71
1	**2**	3	4	5	6	7	8	9	10	.70
1	2	3	4	5	6	7	8	9	10	.69

10-fold Cross Validation

1	2	3	4	5	6	7	8	9	**10**	.69
1	2	3	4	5	6	7	8	**9**	10	.64
1	2	3	4	5	6	7	**8**	9	10	.73
1	2	3	4	5	6	**7**	8	9	10	.82
1	2	3	4	5	**6**	7	8	9	10	.64
1	2	3	4	**5**	6	7	8	9	10	.70
1	2	3	**4**	5	6	7	8	9	10	.68
1	2	**3**	4	5	6	7	8	9	10	.71
1	**2**	3	4	5	6	7	8	9	10	.70
1	2	3	4	5	6	7	8	9	10	.69

Logistic Regression

Fold 1	Fold 2	Fold 3	Fold 4	Fold 5	Fold 6	Fold 7	Fold 8	Fold 9	Fold 10	Mean
.69	.64	.73	.82	.64	.70	.68	.71	.70	.69	**.70**

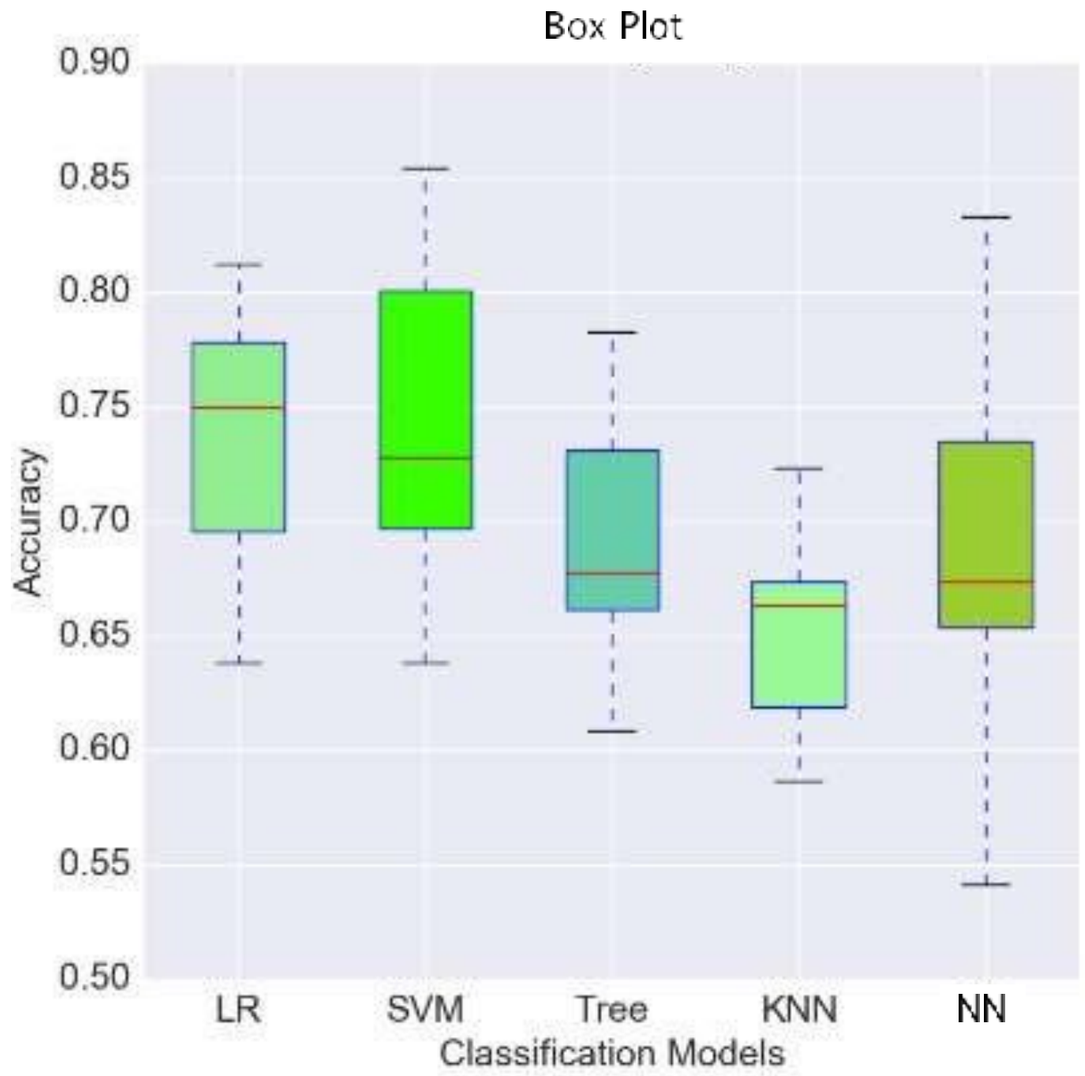
Logistic Regression

Fold 1	Fold 2	Fold 3	Fold 4	Fold 5	Fold 6	Fold 7	Fold 8	Fold 9	Fold 10	Mean
.69	.64	.73	.82	.64	.70	.68	.71	.70	.69	**.70**

Logistic Regression

Fold 1	Fold 2	Fold 3	Fold 4	Fold 5	Fold 6	Fold 7	Fold 8	Fold 9	Fold 10	Mean
.69	.64	.73	.82	.64	.70	.68	.71	.70	.69	**.70**

Logistic Regression

Fold 1	Fold 2	Fold 3	Fold 4	Fold 5	Fold 6	Fold 7	Fold 8	Fold 9	Fold 10	Mean
.69	.64	.73	.82	.64	.70	.68	.71	.70	.69	**.70**

Logistic Regression	Support Vector Machine	Decision Tree	K-Nearest Neighbor	Neural Network
0.705	0.722	0.635	0.675	0.607