

		Predicted					
Actual		LAYING	SITTING	STANDING	WALKING	WALKINGDOWNSTAIRS	WALKINGUPSTAIRS
	LAYING	100	0	0	0	0	0
	SITTING	0	96.7	3.3	0	0	0
	STANDING	1.4	8.2	90.4	0	0	0
	WALKING	0	0	0	92.5	1.2	6.3
	WALKINGDOWNSTAIRS	0	0	0	0	100	0
	WALKINGUPSTAIRS	0	0.4	0	2.9	7.2	89.6

Table 1: Matriz de confusion Cubic SVM

		Predicted					
Actual		LAYING	SITTING	STANDING	WALKING	WALKINGDOWNSTAIRS	WALKINGUPSTAIRS
	LAYING	100	0	0	0	0	0
	SITTING	0	82.6	17.4	0	0	0
	STANDING	0	19.2	80.8	0	0	0
	WALKING	0	0	0	85.6	2.6	11.7
	WALKINGDOWNSTAIRS	0	0	0	4.2	88.2	7.6
	WALKINGUPSTAIRS	0	0	0	5.8	10.6	83.6

Table 2: Matriz de confusion Simple Decision Tree

Actual		Predicted					
		LAYING	SITTING	STANDING	WALKING	WALKINGDOWNSTAIRS	WALKINGUPSTAIRS
	LAYING	100	0	0	0	0	0
	SITTING	0	96	4	0	0	0
	STANDING	0	9.8	90.2	0	0	0
	WALKING	0	0	0	94.1	0.8	5.1
	WALKINGDOWNSTAIRS	0	0	0	0.5	99.2	0.3
	WALKINGUPSTAIRS	0	0.4	0	0	5.3	94.3

Table 3: Matriz de confusion Linear SVM

Actual		Predicted					
		LAYING	SITTING	STANDING	WALKING	WALKINGDOWNSTAIRS	WALKINGUPSTAIRS
	LAYING	97.5	0.9	1.6	0	0	0
	SITTING	0	96.8	3.2	0	0	0
	STANDING	0	6.8	93.2	0	0	0
	WALKING	0	0	0	94.8	0.6	4.6
	WALKINGDOWNSTAIRS	0	0	0	3.9	95.6	0.5
	WALKINGUPSTAIRS	0	0.2	0	0.4	6.1	93.3

Table 4: Matriz de confusion Medium Gaussian SVM

Actual		Predicted					
		LAYING	SITTING	STANDING	WALKING	WALKINGDOWNSTAIRS	WALKINGUPSTAIRS
	LAYING	100	0	0	0	0	0
	SITTING	0	97.1	2.9	0	0	0
	STANDING	0	8.5	91.5	0	0	0
	WALKING	0	0	0	93.4	1	5.6
	WALKINGDOWNSTAIRS	0	0	0	0	100	0
	WALKINGUPSTAIRS	0	0.2	0	2.4	7	90.4

Table 5: Matriz de confusion Quadratic SVM

Actual		Predicted					
		LAYING	SITTING	STANDING	WALKING	WALKINGDOWNSTAIRS	WALKINGUPSTAIRS
	LAYING	99.4	0.6	0	0	0	0
	SITTING	3.1	91.4	5.5	0	0	0
	STANDING	2.1	16.3	81.6	0	0	0
	WALKING	0	0	0	82.8	9.4	7.8
	WALKINGDOWNSTAIRS	0	0	0	2.1	97.6	0.3
	WALKINGUPSTAIRS	0	0.4	0	0.4	9.7	89.5

Table 6: Matriz de confusion Weighted KNN

Actual		Predicted					
		LAYING	SITTING	STANDING	WALKING	WALKINGDOWNSTAIRS	WALKINGUPSTAIRS
	LAYING	100	0	0	0	0	0
	SITTING	0	89.2	10.8	0	0	0
	STANDING	0	22.6	77.4	0	0	0
	WALKING	0	0	0	83.9	6.3	9.8
	WALKINGDOWNSTAIRS	0	0	0	6.3	75.3	18.4
	WALKINGUPSTAIRS	0	0	0	1.1	10.2	88.8

Table 7: Matriz de confusion Medium Decision Tree

Actual		Predicted					
		LAYING	SITTING	STANDING	WALKING	WALKINGDOWNSTAIRS	WALKINGUPSTAIRS
	LAYING	99.6	0.4	0	0	0	0
	SITTING	5.4	79	15.6	0	0	0
	STANDING	2.1	22	75.9	0	0	0
	WALKING	0	0	0	82.3	11.1	6.6
	WALKINGDOWNSTAIRS	0	0	0	5.1	91.6	3.3
	WALKINGUPSTAIRS	0	0.2	0	1	10.3	88.5

Table 8: Matriz de confusion Fine KNN

Actual		Predicted					
		LAYING	SITTING	STANDING	WALKING	WALKINGDOWNSTAIRS	WALKINGUPSTAIRS
	LAYING	100	0	0	0	0	0
	SITTING	0	82.6	17.4	0	0	0
	STANDING	0	19.2	80.8	0	0	0
	WALKING	0	0	0	85.6	2.6	11.7
	WALKINGDOWNSTAIRS	0	0	0	4.2	88.2	7.6
	WALKINGUPSTAIRS	0	0	0	5.8	10.6	83.6

Table 9: Matriz de confusion Complex Decision Tree

Actual		Predicted					
		LAYING	SITTING	STANDING	WALKING	WALKINGDOWNSTAIRS	WALKINGUPSTAIRS
	LAYING	99.4	0.6	0	0	0	0
	SITTING	0.7	90	9.4	0	0	0
	STANDING	1.4	13	85.6	0	0	0
	WALKING	0	0	0	91.6	5.6	2.8
	WALKINGDOWNSTAIRS	0	0	0	8	87.1	4.9
	WALKINGUPSTAIRS	0	0.2	0	0.7	4.6	94.6

Table 10: Matriz de confusion Cosine KNN