

### 7.2.1. 1NN Confusion Matrices:

Test Set 1930s 1NN			
Predicted \ True	Major	Minor	SUM
Major	0 0.00%	4 50.00%	4 0.00% 100.00%
Minor	1 12.50%	3 37.50%	4 75.00% 25.00%
SUM	1 100.00% 0.00%	7 42.86% 57.14%	3 / 8 37.50% 62.50%

Test Set 1940s 1NN			
Predicted \ True	Major	Minor	SUM
Major	6 50.00%	2 16.67%	8 75.00% 25.00%
Minor	3 25.00%	1 8.33%	4 25.00% 75.00%
SUM	9 66.67% 33.33%	3 33.33% 66.67%	7 / 12 58.33% 41.67%

Test Set 1950s 1NN			
Predicted \ True	Major	Minor	SUM
Major	20 60.61%	3 9.09%	23 86.96% 13.04%
Minor	7 21.21%	3 9.09%	10 30.00% 70.00%
SUM	27 74.07% 25.93%	6 50.00% 50.00%	23 / 33 69.70% 30.30%

Test Set 1960s 1NN			
Predicted \ True	Major	Minor	SUM
Major	39 50.65%	17 22.08%	56 69.64% 30.36%
Minor	15 19.48%	6 7.79%	21 28.57% 71.43%
SUM	54 72.22% 27.78%	23 26.09% 73.91%	45 / 77 58.44% 41.56%

Test Set 1970s 1NN			
Predicted \ True	Major	Minor	SUM
Major	65 55.08%	15 12.71%	80 81.25% 18.75%
Minor	27 22.88%	11 9.32%	38 28.95% 71.05%
SUM	92 70.65% 29.35%	26 42.31% 57.69%	76 / 118 64.41% 35.59%

Test Set 1980s 1NN			
Predicted \ True	Major	Minor	SUM
Major	42 25.93%	47 29.01%	89 47.19% 52.81%
Minor	40 24.69%	33 20.37%	73 45.21% 54.79%
SUM	82 51.22% 48.78%	80 41.25% 58.75%	75 / 162 46.30% 53.70%

Test Set 1990s 1NN			
Predicted True	Major	Minor	SUM
Major	90 40.36%	54 24.22%	144 62.50% 37.50%
Minor	50 22.42%	29 13.00%	79 36.71% 63.29%
SUM	140 64.29% 35.71%	83 34.94% 65.06%	119 / 223 53.36% 46.64%

Test Set 2000s 1NN			
Predicted True	Major	Minor	SUM
Major	157 41.53%	74 19.58%	231 67.97% 32.03%
Minor	106 28.04%	41 10.85%	147 27.89% 72.11%
SUM	263 59.70% 40.30%	115 35.65% 64.35%	198 / 378 52.38% 47.62%

Test Set 2010s 1NN			
Predicted True	Major	Minor	SUM
Major	196 37.98%	113 21.90%	309 63.43% 36.57%
Minor	119 23.06%	88 17.05%	207 42.51% 57.49%
SUM	315 62.22% 37.78%	201 43.78% 56.22%	284 / 516 55.04% 44.96%

Test Set 2020s 1NN			
Predicted True	Major	Minor	SUM
Major	11 28.95%	11 28.95%	22 50.00% 50.00%
Minor	8 21.05%	8 21.05%	16 50.00% 50.00%
SUM	19 57.89% 42.11%	19 42.11% 57.89%	19 / 38 50.00% 50.00%

Test Set Blues 1NN			
Predicted True	Major	Minor	SUM
Major	72 60.50%	16 13.45%	88 81.82% 18.18%
Minor	22 18.49%	9 7.56%	31 29.03% 70.97%
SUM	94 76.60% 23.40%	25 36.00% 64.00%	81 / 119 68.07% 31.93%

Test Set Classical 1NN			
Predicted True	Major	Minor	SUM
Major	4 40.00%	2 20.00%	6 66.67% 33.33%
Minor	1 10.00%	3 30.00%	4 75.00% 25.00%
SUM	5 80.00% 20.00%	5 60.00% 40.00%	7 / 10 70.00% 30.00%

Test Set Country 1NN			
Predicted True	Major	Minor	SUM
Major	102 76.69%	16 12.03%	118 86.44% 13.56%
Minor	14 10.53%	1 0.75%	15 6.67% 93.33%
SUM	116 87.93% 12.07%	17 5.88% 94.12%	103 / 133 77.44% 22.56%

Test Set Electronic 1NN			
Predicted True	Major	Minor	SUM
Major	33 29.20%	22 19.47%	55 60.00% 40.00%
Minor	32 28.32%	26 23.01%	58 44.83% 55.17%
SUM	65 50.77% 49.23%	48 54.17% 45.83%	59 / 113 52.21% 47.79%

Test Set Folk 1NN			
Predicted True	Major	Minor	SUM
Major	68 52.71%	26 20.16%	94 72.34% 27.66%
Minor	29 22.48%	6 4.65%	35 17.14% 82.86%
SUM	97 70.10% 29.90%	32 18.75% 81.25%	74 / 129 57.36% 42.64%

Test Set Funk 1NN			
Predicted True	Major	Minor	SUM
Major	19 35.19%	13 24.07%	32 59.38% 40.63%
Minor	20 37.04%	2 3.70%	22 9.09% 90.91%
SUM	39 48.72% 51.28%	15 13.33% 86.67%	21 / 54 38.89% 61.11%

Test Set Heavy Metal 1NN			
Predicted True	Major	Minor	SUM
Major	22 19.13%	32 27.83%	54 40.74% 59.26%
Minor	24 20.87%	37 32.17%	61 60.66% 39.34%
SUM	46 47.83% 52.17%	69 53.62% 46.38%	59 / 115 51.30% 48.70%

Test Set Hip Hop 1NN			
Predicted True	Major	Minor	SUM
Major	11 34.38%	6 18.75%	17 64.71% 35.29%
Minor	9 28.13%	6 18.75%	15 40.00% 60.00%
SUM	20 55.00% 45.00%	12 50.00% 50.00%	17 / 32 53.13% 46.88%

Test Set Jazz 1NN			
Predicted True	Major	Minor	SUM
Major	32 37.21%	15 17.44%	47 68.09% 31.91%
Minor	24 27.91%	15 17.44%	39 38.46% 61.54%
SUM	56 57.14% 42.86%	30 50.00% 50.00%	47 / 86 54.65% 45.35%

Test Set Latin 1NN			
Predicted True	Major	Minor	SUM
Major	32 59.26%	1 1.85%	33 96.97% 3.03%
Minor	20 37.04%	1 1.85%	21 4.76% 95.24%
SUM	52 61.54% 38.46%	2 50.00% 50.00%	33 / 54 61.11% 38.89%

Test Set New Age 1NN			
Predicted True	Major	Minor	SUM
Major	11 39.29%	5 17.86%	16 68.75% 31.25%
Minor	8 28.57%	4 14.29%	12 33.33% 66.67%
SUM	19 57.89% 42.11%	9 44.44% 55.56%	15 / 28 53.57% 46.43%

Test Set Pop 1NN			
Predicted True	Major	Minor	SUM
Major	29 29.59%	27 27.55%	56 51.79% 48.21%
Minor	22 22.45%	20 20.41%	42 47.62% 52.38%
SUM	51 56.86% 43.14%	47 42.55% 57.45%	49 / 98 50.00% 50.00%

Test Set Punk 1NN			
Predicted True	Major	Minor	SUM
Major	80 55.17%	23 15.86%	103 77.67% 22.33%
Minor	37 25.52%	5 3.45%	42 11.90% 88.10%
SUM	117 68.38% 31.62%	28 17.86% 82.14%	85 / 145 58.62% 41.38%

Test Set R&B 1NN			
Predicted True	Major	Minor	SUM
Major	8 23.53%	12 35.29%	20 40.00% 60.00%
Minor	7 20.59%	7 20.59%	14 50.00% 50.00%
SUM	15 53.33% 46.67%	19 36.84% 63.16%	15 / 34 44.12% 55.88%

Test Set Rap 1NN			
Predicted \ True	Major	Minor	SUM
Major	4 9.76%	10 24.39%	14 <b>28.57%</b> <b>71.43%</b>
Minor	10 24.39%	17 41.46%	27 <b>62.96%</b> <b>37.04%</b>
SUM	14 <b>28.57%</b> <b>71.43%</b>	27 <b>62.96%</b> <b>37.04%</b>	21 / 41 <b>51.22%</b> <b>48.78%</b>

Test Set Reggae 1NN			
Predicted \ True	Major	Minor	SUM
Major	36 40.00%	16 17.78%	52 <b>69.23%</b> <b>30.77%</b>
Minor	21 23.33%	17 18.89%	38 <b>44.74%</b> <b>55.26%</b>
SUM	57 <b>63.16%</b> <b>36.84%</b>	33 <b>51.52%</b> <b>48.48%</b>	53 / 90 <b>58.89%</b> <b>41.11%</b>

Test Set Rock 1NN			
Predicted \ True	Major	Minor	SUM
Major	58 39.46%	36 24.49%	94 <b>61.70%</b> <b>38.30%</b>
Minor	37 25.17%	16 10.88%	53 <b>30.19%</b> <b>69.81%</b>
SUM	95 <b>61.05%</b> <b>38.95%</b>	52 <b>30.77%</b> <b>69.23%</b>	74 / 147 <b>50.34%</b> <b>49.66%</b>

Test Set Soul 1NN			
Predicted \ True	Major	Minor	SUM
Major	36 26.09%	34 24.64%	70 <b>51.43%</b> <b>48.57%</b>
Minor	31 22.46%	37 26.81%	68 <b>54.41%</b> <b>45.59%</b>
SUM	67 <b>53.73%</b> <b>46.27%</b>	71 <b>52.11%</b> <b>47.89%</b>	73 / 138 <b>52.90%</b> <b>47.10%</b>

Test Set World 1NN			
Predicted \ True	Major	Minor	SUM
Major	5 41.67%	2 16.67%	7 <b>71.43%</b> <b>28.57%</b>
Minor	3 25.00%	2 16.67%	5 <b>40.00%</b> <b>60.00%</b>
SUM	8 <b>62.50%</b> <b>37.50%</b>	4 <b>50.00%</b> <b>50.00%</b>	7 / 12 <b>58.33%</b> <b>41.67%</b>

### 7.2.2. 3NN Confusion Matrices:

Test Set 1930s 3NN			
Predicted \ True	Major	Minor	SUM
Major	4 50.00%	0 0.00%	4 100.00% 0.00%
Minor	3 37.50%	1 12.50%	4 25.00% 75.00%
SUM	7 57.14% 42.86%	1 100.00% 0.00%	5 / 8 62.50% 37.50%

Test Set 1940s 3NN			
Predicted \ True	Major	Minor	SUM
Major	8 66.67%	0 0.00%	8 100.00% 0.00%
Minor	4 33.33%	0 0.00%	4 0.00% 100.00%
SUM	12 66.67% 33.33%	0 NaN% NaN%	8 / 12 66.67% 33.33%

Test Set 1950s 3NN			
Predicted \ True	Major	Minor	SUM
Major	19 57.58%	4 12.12%	23 82.61% 17.39%
Minor	7 21.21%	3 9.09%	10 30.00% 70.00%
SUM	26 73.08% 26.92%	7 42.86% 57.14%	22 / 33 66.67% 33.33%

Test Set 1960s 3NN			
Predicted \ True	Major	Minor	SUM
Major	43 55.84%	13 16.88%	56 76.79% 23.21%
Minor	15 19.48%	6 7.79%	21 28.57% 71.43%
SUM	58 74.14% 25.86%	19 31.58% 68.42%	49 / 77 63.64% 36.36%

Test Set 1970s 3NN			
Predicted \ True	Major	Minor	SUM
Major	60 50.85%	20 16.95%	80 75.00% 25.00%
Minor	27 22.88%	11 9.32%	38 28.95% 71.05%
SUM	87 68.97% 31.03%	31 35.48% 64.52%	71 / 118 60.17% 39.83%

Test Set 1980s 3NN			
Predicted \ True	Major	Minor	SUM
Major	44 27.16%	45 27.78%	89 49.44% 50.56%
Minor	46 28.40%	27 16.67%	73 36.99% 63.01%
SUM	90 48.89% 51.11%	72 37.50% 62.50%	71 / 162 43.83% 56.17%

Test Set 1990s 3NN			
Predicted True	Major	Minor	SUM
Major	96 43.05%	48 21.52%	144 66.67% 33.33%
Minor	52 23.32%	27 12.11%	79 34.18% 65.82%
SUM	148 64.86% 35.14%	75 36.00% 64.00%	123 / 223 55.16% 44.84%

Test Set 2000s 3NN			
Predicted True	Major	Minor	SUM
Major	163 43.12%	68 17.99%	231 70.56% 29.44%
Minor	111 29.37%	36 9.52%	147 24.49% 75.51%
SUM	274 59.49% 40.51%	104 34.62% 65.38%	199 / 378 52.65% 47.35%

Test Set 2010s 3NN			
Predicted True	Major	Minor	SUM
Major	205 39.73%	104 20.16%	309 66.34% 33.66%
Minor	129 25.00%	78 15.12%	207 37.68% 62.32%
SUM	334 61.38% 38.62%	182 42.86% 57.14%	283 / 516 54.84% 45.16%

Test Set 2020s 3NN			
Predicted True	Major	Minor	SUM
Major	8 21.05%	14 36.84%	22 36.36% 63.64%
Minor	9 23.68%	7 18.42%	16 43.75% 56.25%
SUM	17 47.06% 52.94%	21 33.33% 66.67%	15 / 38 39.47% 60.53%

Test Set Blues 3NN			
Predicted True	Major	Minor	SUM
Major	73 61.34%	15 12.61%	88 82.95% 17.05%
Minor	24 20.17%	7 5.88%	31 22.58% 77.42%
SUM	97 75.26% 24.74%	22 31.82% 68.18%	80 / 119 67.23% 32.77%

Test Set Classical 3NN			
Predicted True	Major	Minor	SUM
Major	4 40.00%	2 20.00%	6 66.67% 33.33%
Minor	3 30.00%	1 10.00%	4 25.00% 75.00%
SUM	7 57.14% 42.86%	3 33.33% 66.67%	5 / 10 50.00% 50.00%

Test Set Country 3NN			
Predicted True	Major	Minor	SUM
Major	104 78.20%	14 10.53%	118 88.14% 11.86%
Minor	14 10.53%	1 0.75%	15 6.67% 93.33%
SUM	118 88.14% 11.86%	15 6.67% 93.33%	105 / 133 78.95% 21.05%

Test Set Electronic 3NN			
Predicted True	Major	Minor	SUM
Major	33 29.20%	22 19.47%	55 60.00% 40.00%
Minor	31 27.43%	27 23.89%	58 46.55% 53.45%
SUM	64 51.56% 48.44%	49 55.10% 44.90%	60 / 113 53.10% 46.90%

Test Set Folk 3NN			
Predicted True	Major	Minor	SUM
Major	81 62.79%	13 10.08%	94 86.17% 13.83%
Minor	31 24.03%	4 3.10%	35 11.43% 88.57%
SUM	112 72.32% 27.68%	17 23.53% 76.47%	85 / 129 65.89% 34.11%

Test Set Funk 3NN			
Predicted True	Major	Minor	SUM
Major	18 33.33%	14 25.93%	32 56.25% 43.75%
Minor	19 35.19%	3 5.56%	22 13.64% 86.36%
SUM	37 48.65% 51.35%	17 17.65% 82.35%	21 / 54 38.89% 61.11%

Test Set Heavy Metal 3NN			
Predicted True	Major	Minor	SUM
Major	17 14.78%	37 32.17%	54 31.48% 68.52%
Minor	27 23.48%	34 29.57%	61 55.74% 44.26%
SUM	44 38.64% 61.36%	71 47.89% 52.11%	51 / 115 44.35% 55.65%

Test Set Hip Hop 3NN			
Predicted True	Major	Minor	SUM
Major	10 31.25%	7 21.88%	17 58.82% 41.18%
Minor	9 28.13%	6 18.75%	15 40.00% 60.00%
SUM	19 52.63% 47.37%	13 46.15% 53.85%	16 / 32 50.00% 50.00%

Test Set Jazz 3NN			
Predicted True	Major	Minor	SUM
Major	37 43.02%	10 11.63%	47 78.72% 21.28%
Minor	22 25.58%	17 19.77%	39 43.59% 56.41%
SUM	59 62.71% 37.29%	27 62.96% 37.04%	54 / 86 62.79% 37.21%

Test Set Latin 3NN			
Predicted True	Major	Minor	SUM
Major	32 59.26%	1 1.85%	33 96.97% 3.03%
Minor	20 37.04%	1 1.85%	21 4.76% 95.24%
SUM	52 61.54% 38.46%	2 50.00% 50.00%	33 / 54 61.11% 38.89%

Test Set New Age 3NN			
Predicted True	Major	Minor	SUM
Major	12 42.86%	4 14.29%	16 75.00% 25.00%
Minor	7 25.00%	5 17.86%	12 41.67% 58.33%
SUM	19 63.16% 36.84%	9 55.56% 44.44%	17 / 28 60.71% 39.29%

Test Set Pop 3NN			
Predicted True	Major	Minor	SUM
Major	34 34.69%	22 22.45%	56 60.71% 39.29%
Minor	26 26.53%	16 16.33%	42 38.10% 61.90%
SUM	60 56.67% 43.33%	38 42.11% 57.89%	50 / 98 51.02% 48.98%

Test Set Punk 3NN			
Predicted True	Major	Minor	SUM
Major	84 57.93%	19 13.10%	103 81.55% 18.45%
Minor	39 26.90%	3 2.07%	42 7.14% 92.86%
SUM	123 68.29% 31.71%	22 13.64% 86.36%	87 / 145 60.00% 40.00%

Test Set R&B 3NN			
Predicted True	Major	Minor	SUM
Major	7 20.59%	13 38.24%	20 35.00% 65.00%
Minor	7 20.59%	7 20.59%	14 50.00% 50.00%
SUM	14 50.00% 50.00%	20 35.00% 65.00%	14 / 34 41.18% 58.82%

Test Set Rap 3NN			
Predicted True	Major	Minor	SUM
Major	5 12.20%	9 21.95%	14 35.71% 64.29%
Minor	7 17.07%	20 48.78%	27 74.07% 25.93%
SUM	12 41.67% 58.33%	29 68.97% 31.03%	25 / 41 60.98% 39.02%

Test Set Reggae 3NN			
Predicted True	Major	Minor	SUM
Major	33 36.67%	19 21.11%	52 63.46% 36.54%
Minor	22 24.44%	16 17.78%	38 42.11% 57.89%
SUM	55 60.00% 40.00%	35 45.71% 54.29%	49 / 90 54.44% 45.56%

Test Set Rock 3NN			
Predicted True	Major	Minor	SUM
Major	63 42.86%	31 21.09%	94 67.02% 32.98%
Minor	37 25.17%	16 10.88%	53 30.19% 69.81%
SUM	100 63.00% 37.00%	47 34.04% 65.96%	79 / 147 53.74% 46.26%

Test Set Soul 3NN			
Predicted True	Major	Minor	SUM
Major	32 23.19%	38 27.54%	70 45.71% 54.29%
Minor	39 28.26%	29 21.01%	68 42.65% 57.35%
SUM	71 45.07% 54.93%	67 43.28% 56.72%	61 / 138 44.20% 55.80%

Test Set World 3NN			
Predicted True	Major	Minor	SUM
Major	6 50.00%	1 8.33%	7 85.71% 14.29%
Minor	5 41.67%	0 0.00%	5 0.00% 100.00%
SUM	11 54.55% 45.45%	1 100.00% 0.00%	6 / 12 50.00% 50.00%

### 7.2.3. 5NN Confusion Matrices:

(No results for Classical, 1930s or World)

Test Set 1940s 5NN			
Predicted \ True	Major	Minor	SUM
Major	8 66.67%	0 0.00%	8 100.00% 0.00%
Minor	4 33.33%	0 0.00%	4 0.00% 100.00%
SUM	12 66.67% 33.33%	0 NaN% NaN%	8 / 12 66.67% 33.33%

Test Set 1950s 5NN			
Predicted \ True	Major	Minor	SUM
Major	20 60.61%	3 9.09%	23 86.96% 13.04%
Minor	8 24.24%	2 6.06%	10 20.00% 80.00%
SUM	28 71.43% 28.57%	5 40.00% 60.00%	22 / 33 66.67% 33.33%

Test Set 1960s 5NN			
Predicted \ True	Major	Minor	SUM
Major	47 61.04%	9 11.69%	56 83.93% 16.07%
Minor	15 19.48%	6 7.79%	21 28.57% 71.43%
SUM	62 75.81% 24.19%	15 40.00% 60.00%	53 / 77 68.83% 31.17%

Test Set 1970s 5NN			
Predicted \ True	Major	Minor	SUM
Major	64 54.24%	16 13.56%	80 80.00% 20.00%
Minor	25 21.19%	13 11.02%	38 34.21% 65.79%
SUM	89 71.91% 28.09%	29 44.83% 55.17%	77 / 118 65.25% 34.75%

Test Set 1980s 5NN			
Predicted \ True	Major	Minor	SUM
Major	47 29.01%	42 25.93%	89 52.81% 47.19%
Minor	44 27.16%	29 17.90%	73 39.73% 60.27%
SUM	91 51.65% 48.35%	71 40.85% 59.15%	76 / 162 46.91% 53.09%

Test Set 1990s 5NN			
Predicted \ True	Major	Minor	SUM
Major	100 44.84%	44 19.73%	144 69.44% 30.56%
Minor	55 24.66%	24 10.76%	79 30.38% 69.62%
SUM	155 64.52% 35.48%	68 35.29% 64.71%	124 / 223 55.61% 44.39%

Test Set 2000s 5NN			
Predicted True	Major	Minor	SUM
Major	163 43.12%	68 17.99%	231 70.56% 29.44%
Minor	115 30.42%	32 8.47%	147 21.77% 78.23%
SUM	278 58.63% 41.37%	100 32.00% 68.00%	195 / 378 51.59% 48.41%

Test Set 2010s 5NN			
Predicted True	Major	Minor	SUM
Major	223 43.22%	86 16.67%	309 72.17% 27.83%
Minor	140 27.13%	67 12.98%	207 32.37% 67.63%
SUM	363 61.43% 38.57%	153 43.79% 56.21%	290 / 516 56.20% 43.80%

Test Set 2020s 5NN			
Predicted True	Major	Minor	SUM
Major	14 36.84%	8 21.05%	22 63.64% 36.36%
Minor	10 26.32%	6 15.79%	16 37.50% 62.50%
SUM	24 58.33% 41.67%	14 42.86% 57.14%	20 / 38 52.63% 47.37%

Test Set Blues 5NN			
Predicted True	Major	Minor	SUM
Major	79 66.39%	9 7.56%	88 89.77% 10.23%
Minor	26 21.85%	5 4.20%	31 16.13% 83.87%
SUM	105 75.24% 24.76%	14 35.71% 64.29%	84 / 119 70.59% 29.41%

Test Set Country 5NN			
Predicted True	Major	Minor	SUM
Major	114 85.71%	4 3.01%	118 96.61% 3.39%
Minor	15 11.28%	0 0.00%	15 0.00% 100.00%
SUM	129 88.37% 11.63%	4 100.00% 0.00%	114 / 133 85.71% 14.29%

Test Set Electronic 5NN			
Predicted True	Major	Minor	SUM
Major	33 29.20%	22 19.47%	55 60.00% 40.00%
Minor	31 27.43%	27 23.89%	58 46.55% 53.45%
SUM	64 51.56% 48.44%	49 55.10% 44.90%	60 / 113 53.10% 46.90%

Test Set Folk 5NN			
Predicted True	Major	Minor	SUM
Major	83 64.34%	11 8.53%	94 88.30% 11.70%
Minor	31 24.03%	4 3.10%	35 11.43% 88.57%
SUM	114 72.81% 27.19%	15 26.67% 73.33%	87 / 129 67.44% 32.56%

Test Set Funk 5NN			
Predicted True	Major	Minor	SUM
Major	17 31.48%	15 27.78%	32 53.13% 46.88%
Minor	16 29.63%	6 11.11%	22 27.27% 72.73%
SUM	33 51.52% 48.48%	21 28.57% 71.43%	23 / 54 42.59% 57.41%

Test Set Heavy Metal 5NN			
Predicted True	Major	Minor	SUM
Major	16 13.91%	38 33.04%	54 29.63% 70.37%
Minor	23 20.00%	38 33.04%	61 62.30% 37.70%
SUM	39 41.03% 58.97%	76 50.00% 50.00%	54 / 115 46.96% 53.04%

Test Set Hip Hop 5NN			
Predicted True	Major	Minor	SUM
Major	12 37.50%	5 15.63%	17 70.59% 29.41%
Minor	11 34.38%	4 12.50%	15 26.67% 73.33%
SUM	23 52.17% 47.83%	9 44.44% 55.56%	16 / 32 50.00% 50.00%

Test Set Jazz 5NN			
Predicted True	Major	Minor	SUM
Major	35 40.70%	12 13.95%	47 74.47% 25.53%
Minor	24 27.91%	15 17.44%	39 38.46% 61.54%
SUM	59 59.32% 40.68%	27 55.56% 44.44%	50 / 86 58.14% 41.86%

Test Set Latin 5NN			
Predicted True	Major	Minor	SUM
Major	20 37.04%	13 24.07%	33 60.61% 39.39%
Minor	16 29.63%	5 9.26%	21 23.81% 76.19%
SUM	36 55.56% 44.44%	18 27.78% 72.22%	25 / 54 46.30% 53.70%

Test Set New Age 5NN			
Predicted True \ Predicted True	Major	Minor	SUM
Major	14 50.00%	2 7.14%	16 <b>87.50%</b> <b>12.50%</b>
Minor	9 32.14%	3 10.71%	12 <b>25.00%</b> <b>75.00%</b>
SUM	23 <b>60.87%</b> <b>39.13%</b>	5 60.00% 40.00%	17 / 28 60.71% <b>39.29%</b>

Test Set Pop 5NN			
Predicted True \ Predicted True	Major	Minor	SUM
Major	34 34.69%	22 22.45%	56 <b>60.71%</b> <b>39.29%</b>
Minor	24 24.49%	18 18.37%	42 <b>42.86%</b> <b>57.14%</b>
SUM	58 <b>58.62%</b> <b>41.38%</b>	40 45.00% 55.00%	52 / 98 53.06% <b>46.94%</b>

Test Set Punk 5NN			
Predicted True \ Predicted True	Major	Minor	SUM
Major	82 56.55%	21 14.48%	103 <b>79.61%</b> <b>20.39%</b>
Minor	38 26.21%	4 2.76%	42 <b>9.52%</b> <b>90.48%</b>
SUM	120 <b>68.33%</b> <b>31.67%</b>	25 16.00% 84.00%	86 / 145 59.31% <b>40.69%</b>

Test Set R&B 5NN			
Predicted True \ Predicted True	Major	Minor	SUM
Major	8 23.53%	12 35.29%	20 <b>40.00%</b> <b>60.00%</b>
Minor	7 20.59%	7 20.59%	14 <b>50.00%</b> <b>50.00%</b>
SUM	15 <b>53.33%</b> <b>46.67%</b>	19 36.84% 63.16%	15 / 34 44.12% <b>55.88%</b>

Test Set Rap 5NN			
Predicted True \ Predicted True	Major	Minor	SUM
Major	5 12.20%	9 21.95%	14 <b>35.71%</b> <b>64.29%</b>
Minor	4 9.76%	23 56.10%	27 <b>85.19%</b> <b>14.81%</b>
SUM	9 <b>55.56%</b> <b>44.44%</b>	32 71.88% 28.13%	28 / 41 68.29% <b>31.71%</b>

Test Set Reggae 5NN			
Predicted True \ Predicted True	Major	Minor	SUM
Major	38 42.22%	14 15.56%	52 <b>73.08%</b> <b>26.92%</b>
Minor	26 28.89%	12 13.33%	38 <b>31.58%</b> <b>68.42%</b>
SUM	64 <b>59.38%</b> <b>40.63%</b>	26 46.15% 53.85%	50 / 90 55.56% <b>44.44%</b>

Test Set Rock 5NN			
Predicted True	Major	Minor	SUM
Major	68 46.26%	26 17.69%	94 72.34% 27.66%
Minor	41 27.89%	12 8.16%	53 22.64% 77.36%
SUM	109 62.39% 37.61%	38 31.58% 68.42%	80 / 147 54.42% 45.58%

Test Set Soul 5NN			
Predicted True	Major	Minor	SUM
Major	27 19.57%	43 31.16%	70 38.57% 61.43%
Minor	39 28.26%	29 21.01%	68 42.65% 57.35%
SUM	66 40.91% 59.09%	72 40.28% 59.72%	56 / 138 40.58% 59.42%

#### 7.2.4. SVM Confusion Matrices:

(No results for 1930s, 1940s, Classical or World)

Test Set 1950s			
TARGET OUTPUT \	Major	Minor	SUM
Major	0 0.00%	23 69.70%	23 0.00% 100.00%
Minor	0 0.00%	10 30.30%	10 100.00% 0.00%
SUM	0 NaN% NaN%	33 30.30% 69.70%	10 / 33 30.30% 69.70%

Test Set 1960s			
TARGET OUTPUT \	Major	Minor	SUM
Major	35 45.45%	21 27.27%	56 62.50% 37.50%
Minor	12 15.58%	9 11.69%	21 42.86% 57.14%
SUM	47 74.47% 25.53%	30 30.00% 70.00%	44 / 77 57.14% 42.86%

Test Set 1970s			
TARGET OUTPUT \	Major	Minor	SUM
Major	25 21.19%	55 46.61%	80 31.25% 68.75%
Minor	14 11.86%	24 20.34%	38 63.16% 36.84%
SUM	39 64.10% 35.90%	79 30.38% 69.62%	49 / 118 41.53% 58.47%

Test Set 1980s			
TARGET OUTPUT \	Major	Minor	SUM
Major	50 30.86%	39 24.07%	89 56.18% 43.82%
Minor	38 23.46%	35 21.60%	73 47.95% 52.05%
SUM	88 56.82% 43.18%	74 47.30% 52.70%	162 52.47% 47.53%

Test Set 1990s			
TARGET OUTPUT \	Major	Minor	SUM
Major	66 29.60%	78 34.98%	144 45.83% 54.17%
Minor	34 15.25%	45 20.18%	79 56.96% 43.04%
SUM	100 66.00% 34.00%	123 36.59% 63.41%	223 49.78% 50.22%

Test Set 2000s			
TARGET OUTPUT \	Major	Minor	SUM
Major	117 30.95%	114 30.16%	231 50.65% 49.35%
Minor	75 19.84%	72 19.05%	147 48.98% 51.02%
SUM	192 60.94% 39.06%	186 38.71% 61.29%	378 50.00% 50.00%

Test Set 2010s			
TARGET OUTPUT	Major	Minor	SUM
Major	160 31.01%	149 28.88%	309 51.78% 48.22%
Minor	112 21.71%	95 18.41%	207 45.89% 54.11%
SUM	272 58.82% 41.18%	244 38.93% 61.07%	255 / 516 49.42% 50.58%

Test Set 2020s			
TARGET OUTPUT	Major	Minor	SUM
Major	0 0.00%	22 57.89%	22 0.00% 100.00%
Minor	0 0.00%	16 42.11%	16 100.00% 0.00%
SUM	0 NaN% NaN%	38 42.11% 57.89%	16 / 38 42.11% 57.89%

Test Set Blues SVM			
Predicted True	Major	Minor	SUM
Major	67 56.30%	21 17.65%	88 76.14% 23.86%
Minor	24 20.17%	7 5.88%	31 22.58% 77.42%
SUM	91 73.63% 26.37%	28 25.00% 75.00%	74 / 119 62.18% 37.82%

Test Set Country SVM			
Predicted True	Major	Minor	SUM
Major	78 58.65%	40 30.08%	118 66.10% 33.90%
Minor	13 9.77%	2 1.50%	15 13.33% 86.67%
SUM	91 85.71% 14.29%	42 4.76% 95.24%	80 / 133 60.15% 39.85%

Test Set Electronic SVM			
Predicted True	Major	Minor	SUM
Major	55 48.67%	0 0.00%	55 100.00% 0.00%
Minor	58 51.33%	0 0.00%	58 0.00% 100.00%
SUM	113 48.67% 51.33%	0 NaN% NaN%	55 / 113 48.67% 51.33%

Test Set Folk SVM			
Predicted True	Major	Minor	SUM
Major	56 43.41%	38 29.46%	94 59.57% 40.43%
Minor	24 18.60%	11 8.53%	35 31.43% 68.57%
SUM	80 70.00% 30.00%	49 22.45% 77.55%	67 / 129 51.94% 48.06%

Test Set Funk SVM			
Predicted True \ Predicted True	Major	Minor	SUM
Major	20 37.04%	12 22.22%	32 62.50% 37.50%
Minor	17 31.48%	5 9.26%	22 22.73% 77.27%
SUM	37 54.05% 45.95%	17 29.41% 70.59%	25 / 54 46.30% 53.70%

Test Set Heavy Metal SVM			
Predicted True \ Predicted True	Major	Minor	SUM
Major	10 8.70%	44 38.26%	54 18.52% 81.48%
Minor	19 16.52%	42 36.52%	61 68.85% 31.15%
SUM	29 34.48% 65.52%	86 48.84% 51.16%	52 / 115 45.22% 54.78%

Test Set Hip Hop SVM			
Predicted True \ Predicted True	Major	Minor	SUM
Major	10 31.25%	7 21.88%	17 58.82% 41.18%
Minor	7 21.88%	8 25.00%	15 53.33% 46.67%
SUM	17 58.82% 41.18%	15 53.33% 46.67%	18 / 32 56.25% 43.75%

Test Set Jazz SVM			
Predicted True \ Predicted True	Major	Minor	SUM
Major	36 41.86%	11 12.79%	47 76.60% 23.40%
Minor	26 30.23%	13 15.12%	39 33.33% 66.67%
SUM	62 58.06% 41.94%	24 54.17% 45.83%	49 / 86 56.98% 43.02%

Test Set Latin SVM			
Predicted True \ Predicted True	Major	Minor	SUM
Major	17 31.48%	16 29.63%	33 51.52% 48.48%
Minor	14 25.93%	7 12.96%	21 33.33% 66.67%
SUM	31 54.84% 45.16%	23 30.43% 69.57%	24 / 54 44.44% 55.56%

Test Set New Age SVM			
Predicted True \ Predicted True	Major	Minor	SUM
Major	16 57.14%	0 0.00%	16 100.00% 0.00%
Minor	12 42.86%	0 0.00%	12 0.00% 100.00%
SUM	28 57.14% 42.86%	0 NaN% NaN%	16 / 28 57.14% 42.86%

Test Set Pop SVM			
Predicted True \ Predicted True	Major	Minor	SUM
Major	24 24.49%	32 32.65%	56 42.86% 57.14%
Minor	21 21.43%	21 21.43%	42 50.00% 50.00%
SUM	45 53.33% 46.67%	53 39.62% 60.38%	45 / 98 45.92% 54.08%

Test Set Punk SVM			
Predicted True \ Predicted True	Major	Minor	SUM
Major	52 35.86%	51 35.17%	103 50.49% 49.51%
Minor	26 17.93%	16 11.03%	42 38.10% 61.90%
SUM	78 66.67% 33.33%	67 23.88% 76.12%	68 / 145 46.90% 53.10%

Test Set R&B SVM			
Predicted True \ Predicted True	Major	Minor	SUM
Major	4 11.76%	16 47.06%	20 20.00% 80.00%
Minor	2 5.88%	12 35.29%	14 85.71% 14.29%
SUM	6 66.67% 33.33%	28 42.86% 57.14%	16 / 34 47.06% 52.94%

Test Set Rap SVM			
Predicted True \ Predicted True	Major	Minor	SUM
Major	14 34.15%	0 0.00%	14 100.00% 0.00%
Minor	27 65.85%	0 0.00%	27 0.00% 100.00%
SUM	41 34.15% 65.85%	0 NaN% NaN%	14 / 41 34.15% 65.85%

Test Set Reggae SVM			
Predicted True \ Predicted True	Major	Minor	SUM
Major	33 36.67%	19 21.11%	52 63.46% 36.54%
Minor	23 25.56%	15 16.67%	38 39.47% 60.53%
SUM	56 58.93% 41.07%	34 44.12% 55.88%	48 / 90 53.33% 46.67%

Test Set Rock SVM			
Predicted True \ Predicted True	Major	Minor	SUM
Major	0 0.00%	94 63.95%	94 0.00% 100.00%
Minor	0 0.00%	53 36.05%	53 100.00% 0.00%
SUM	0 NaN% NaN%	147 36.05% 63.95%	53 / 147 36.05% 63.95%

Test Set Soul SVM			
Predicted True	Major	Minor	SUM
Major	40 28.99%	30 21.74%	70 <b>57.14%</b> <b>42.86%</b>
Minor	45 32.61%	23 16.67%	68 <b>33.82%</b> <b>66.18%</b>
SUM	85 <b>47.06%</b> <b>52.94%</b>	53 <b>43.40%</b> <b>56.60%</b>	63 / 138 <b>45.65%</b> <b>54.35%</b>

