

### Modello Con 4 Livelli CNN

|           | Training |      | Acc.  | Valori Calcolati (%) |          |           |          | Test  |
|-----------|----------|------|-------|----------------------|----------|-----------|----------|-------|
|           | Gatti    | Cani |       | Recall               |          | Precision |          | Gatti |
|           |          |      |       | Classe 1             | Classe 2 | Classe 1  | Classe 2 |       |
| Modello 1 | 12K      | 12K  | 99%   | 84%                  | 57%      | 63%       | 77%      | 700   |
|           |          |      |       |                      |          |           |          | 700   |
|           |          |      |       |                      |          |           |          | 0     |
| Modello 2 | 12K      | 9.5K | 98.6% | 83%                  | 46%      | 60%       | 73%      | 700   |
|           |          |      |       |                      |          |           |          | 700   |
|           |          |      |       |                      |          |           |          | 0     |
| Modello 3 | 12K      | 5K   | 99.1% | 86%                  | 38%      | 58%       | 73%      | 700   |
|           |          |      |       |                      |          |           |          | 700   |
|           |          |      |       |                      |          |           |          | 0     |
| Modello 4 | 12K      | 1.2K | 99.7% | 95%                  | 28%      | 57%       | 85%      | 700   |
|           |          |      |       |                      |          |           |          | 700   |
|           |          |      |       |                      |          |           |          | 0     |

### Modello con 6 livelli CNN

[illegible]

|           |     |      |       |     |     |     |     |     |
|-----------|-----|------|-------|-----|-----|-----|-----|-----|
| Modello 1 | 12K | 12K  | 99%   | 37% | 92% | 83% | 60% | 700 |
|           |     |      |       |     |     |     |     | 0   |
| Modello 2 | 12K | 9.5K | 98.6% | 66% | 65% | 65% | 65% | 700 |
|           |     |      |       |     |     |     |     | 700 |
|           |     |      |       |     |     |     |     | 0   |
| Modello 3 | 12K | 5K   | 99.1% | 56% | 80% | 74% | 65% | 700 |
|           |     |      |       |     |     |     |     | 700 |
|           |     |      |       |     |     |     |     | 0   |
| Modello 4 | 12K | 1.2K | 99.7% | 79% | 51% | 62% | 71% | 700 |
|           |     |      |       |     |     |     |     | 700 |
|           |     |      |       |     |     |     |     | 0   |

| Set<br><i>Cani</i> | Matrice di<br>confusione   | Errore Class |
|--------------------|----------------------------|--------------|
|                    |                            |              |
| 700                | [591 , 109]<br>[344 , 356] | 32,3%        |
| 0                  | [591 , 109]<br>[ 0 , 0 ]   | 15,6%        |
| 700                | [ 0 , 0 ]<br>[344 , 356]   | 49,1%        |
| 700                | [580 , 120]<br>[381 , 319] | 35,8%        |
| 0                  | [580 , 120]<br>[ 0 , 0 ]   | 17,1%        |
| 700                | [ 0 , 0 ]<br>[381 , 319]   | 54,4%        |
| 700                | [604 , 96 ]<br>[435 , 265] | 37,9%        |
| 0                  | [604 , 96 ]<br>[ 0 , 0 ]   | 9,9%         |
| 700                | [ 0 , 0 ]<br>[435 , 265]   | 62,1%        |
| 700                | [665 , 35 ]<br>[504 , 196] | 38,5%        |
| 0                  | [665 , 35 ]<br>[ 0 , 0 ]   | 5,0%         |
| 700                | [ 0 , 0 ]<br>[504 , 196]   | 72,0%        |

| Set<br><i>Cani</i> | Matrice di<br>confusione   | Errore Class |
|--------------------|----------------------------|--------------|
|                    |                            |              |
| 700                | [261 , 439]<br>[ 53 , 647] | 35,1%        |

|     |                            |       |
|-----|----------------------------|-------|
| 0   | [261 , 439]<br>[ 0 , 0 ]   | 62,7% |
| 700 | [ 0 , 0 ]<br>[ 53 , 647]   | 7,6%  |
| 700 | [460 , 240]<br>[245 , 455] | 34,6% |
| 0   | [460 , 240]<br>[ 0 , 0 ]   | 34,3% |
| 700 | [ 0 , 0 ]<br>[245 , 455]   | 35,0% |
| 700 | [312 , 308]<br>[139 , 561] | 31,9% |
| 0   | [312 , 308]<br>[ 0 , 0 ]   | 44,0% |
| 700 | [ 0 , 0 ]<br>[139 , 561]   | 19,9% |
| 700 | [553 , 147]<br>[343 , 357] | 35,0% |
| 0   | [553 , 147]<br>[ 0 , 0 ]   | 21,0% |
| 700 | [ 0 , 0 ]<br>[343 , 357]   | 49,0% |