class\_id = 0, name = bio\_hexagon, ap = 68.45% (TP = 48, FP = 27)

class\_id = 1, name = eco\_stars, ap = 85.02% (TP = 43, FP = 24)

class\_id = 2, name = vegan\_international, ap = 87.64% (TP = 21, FP = 10)

class\_id = 3, name = fairtrade\_international, ap = 90.08% (TP = 10, FP = 1)

class\_id = 4, name = rainforest\_alliance, ap = 74.73% (TP = 8, FP = 0)

class\_id = 5, name = bioland, ap = 81.30% (TP = 12, FP = 9)

class\_id = 6, name = regional\_fenster, ap = 0.00% (TP = 0, FP = 1)

class\_id = 7, name = ohne\_gentechnik, ap = 91.90% (TP = 16, FP = 2)

class\_id = 8, name = naturland, ap = 77.19% (TP = 4, FP = 0)

class\_id = 9, name = nutriscore\_b, ap = 75.40% (TP = 4, FP = 2)

class\_id = 10, name = nutriscore\_c, ap = 74.23% (TP = 7, FP = 3)

class\_id = 11, name = q\_milch, ap = 0.00% (TP = 0, FP = 0)

class\_id = 12, name = haltungsform\_3, ap = 0.00% (TP = 0, FP = 1)

class\_id = 13, name = speciality\_eu, ap = 65.41% (TP = 3, FP = 0)

class\_id = 14, name = naturland\_fair, ap = 0.00% (TP = 0, FP = 0)

class\_id = 15, name = cocoa\_for\_future, ap = 100.00% (TP = 1, FP = 0)

class\_id = 16, name = made\_for\_recyling, ap = 44.38% (TP = 3, FP = 2)

class\_id = 17, name = edeka\_bio, ap = 63.59% (TP = 7, FP = 2)

class\_id = 18, name = blauer\_engel, ap = 0.00% (TP = 0, FP = 0)

class\_id = 19, name = fsc, ap = 3.33% (TP = 0, FP = 0)

class\_id = 20, name = haltungsform\_4, ap = 76.45% (TP = 5, FP = 3)

class\_id = 21, name = haltungsform\_2, ap = 89.29% (TP = 3, FP = 0)

class\_id = 22, name = igp\_eu, ap = 73.85% (TP = 17, FP = 15)

class\_id = 23, name = dop\_eu, ap = 83.35% (TP = 9, FP = 4)

class\_id = 24, name = nutriscore\_a, ap = 67.89% (TP = 5, FP = 2)

class\_id = 25, name = bw\_gesicherte\_qualitaet, ap = 100.00% (TP = 0, FP = 0)

class\_id = 26, name = asc\_fisch, ap = 95.35% (TP = 8, FP = 1)

class\_id = 27, name = vegan\_vegan\_society, ap = 0.00% (TP = 0, FP = 0)

class\_id = 28, name = msc\_fisch, ap = 83.33% (TP = 5, FP = 0)

class\_id = 29, name = bw\_bio, ap = 100.00% (TP = 2, FP = 0)

class\_id = 30, name = bio\_initiative\_huhn\_hahn, ap = 100.00% (TP = 3, FP = 0)

class\_id = 31, name = bio\_kreis, ap = 100.00% (TP = 0, FP = 1)

class\_id = 32, name = oeko\_test\_sehr\_gut, ap = 49.28% (TP = 0, FP = 0)

class\_id = 33, name = vegetarisch\_international, ap = 72.38% (TP = 3, FP = 1)

class\_id = 34, name = nutriscore\_d, ap = 40.95% (TP = 3, FP = 5)

class\_id = 35, name = alnatura\_bio, ap = 100.00% (TP = 2, FP = 0)

class\_id = 36, name = green\_point, ap = 0.00% (TP = 0, FP = 4)

class\_id = 37, name = demeter, ap = 0.89% (TP = 0, FP = 0)

Class frequencies with additional information:

Class 0 (bio\_hexagon):

Count: 304

AP: 68.45%

TP: 48, FP: 27

Class 1 (eco\_stars):

Count: 200

AP: 85.02%

TP: 43, FP: 24

Class 2 (vegan\_international):

Count: 128

AP: 87.64%

TP: 21, FP: 10

Class 3 (fairtrade\_international):

Count: 48

AP: 90.08%

TP: 10, FP: 1

Class 4 (rainforest\_alliance):

Count: 56

AP: 74.73%

TP: 8, FP: 0

Class 5 (bioland):

Count: 80

AP: 81.3%

TP: 12, FP: 9

Class 6 (regional\_fenster):

Count: 20

AP: 0.0%

TP: 0, FP: 1

Class 7 (ohne\_gentechnik):

Count: 88

AP: 91.9%

TP: 16, FP: 2

Class 8 (naturland):

Count: 32

AP: 77.19%

TP: 4, FP: 0

Class 9 (nutriscore\_b):

Count: 56

AP: 75.4%

TP: 4, FP: 2

Class 10 (nutriscore\_c):

Count: 52

AP: 74.23%

TP: 7, FP: 3

Class 11 (q\_milch):

Count: 4

AP: 0.0%

TP: 0, FP: 0

Class 12 (haltungsform\_3):

Count: 12

AP: 0.0%

TP: 0, FP: 1

Class 13 (speciality\_eu):

Count: 36

AP: 65.41%

TP: 3, FP: 0

Class 14 (naturland\_fair):

Count: 4

AP: 0.0%

TP: 0, FP: 0

Class 15 (cocoa\_for\_future):

Count: 4

AP: 100.0%

TP: 1, FP: 0

Class 16 (made\_for\_recyling):

Count: 48

AP: 44.38%

TP: 3, FP: 2

Class 17 (edeka\_bio):

Count: 60

AP: 63.59%

TP: 7, FP: 2

Class 18 (blauer\_engel):

Count: 4

AP: 0.0%

TP: 0, FP: 0

Class 19 (fsc):

Count: 24

AP: 3.33%

TP: 0, FP: 0

Class 20 (haltungsform\_4):

Count: 44

AP: 76.45%

TP: 5, FP: 3

Class 21 (haltungsform\_2):

Count: 32

AP: 89.29%

TP: 3, FP: 0

Class 22 (igp\_eu):

Count: 92

AP: 73.85%

TP: 17, FP: 15

Class 23 (dop\_eu):

Count: 59

AP: 83.35%

TP: 9, FP: 4

Class 24 (nutriscore\_a):

Count: 44

AP: 67.89%

TP: 5, FP: 2

Class 25 (bw\_gesicherte\_qualitaet):

Count: 8

AP: 100.0%

TP: 0, FP: 0

Class 26 (asc\_fisch):

Count: 28

AP: 95.35%

TP: 8, FP: 1

Class 27 (vegan\_vegan\_society):

Count: 8

AP: 0.0%

TP: 0, FP: 0

Class 28 (msc\_fisch):

Count: 36

AP: 83.33%

TP: 5, FP: 0

Class 29 (bw\_bio):

Count: 16

AP: 100.0%

TP: 2, FP: 0

Class 30 (bio\_initiative\_huhn\_hahn):

Count: 12

AP: 100.0%

TP: 3, FP: 0

Class 31 (bio\_kreis):

Count: 4

AP: 100.0%

TP: 0, FP: 1

Class 32 (oeko\_test\_sehr\_gut):

Count: 12

AP: 49.28%

TP: 0, FP: 0

Class 33 (vegetarisch\_international):

Count: 28

AP: 72.38%

TP: 3, FP: 1

Class 34 (nutriscore\_d):

Count: 40

AP: 40.95%

TP: 3, FP: 5

Class 35 (alnatura\_bio):

Count: 28

AP: 100.0%

TP: 2, FP: 0

Class 36 (green\_point):

Count: 52

AP: 0.0%

TP: 0, FP: 4

Class 37 (demeter):

Count: 32

AP: 0.89%

TP: 0, FP: 0

Total number of annotations: 1835

Number of unique classes: 38

**Legend of Problems:**

**Category 1:** To few labels

Solution:🡪 collect more pictures OR delete class

Approach:

* Delete these class labels
* Questions: how to delete them without destroying the structure

**Category 2:** Enough labels, but poor performance 🡪 ???