Use of SCN features: No

Max learning objects: 20000 objects/class Strategy N° 8

Actual Values

Gulf Selected Samples prediction using all regions training set, Learning with selected samples classes with no low global training instances, with extra regional training categories, No Calanoida, Cyclopoida, Zooplankton classes in learning set

Confusion Matrix - In percent of Actual Value

Classification Report Matrix max 20000 learning objects per class

precision

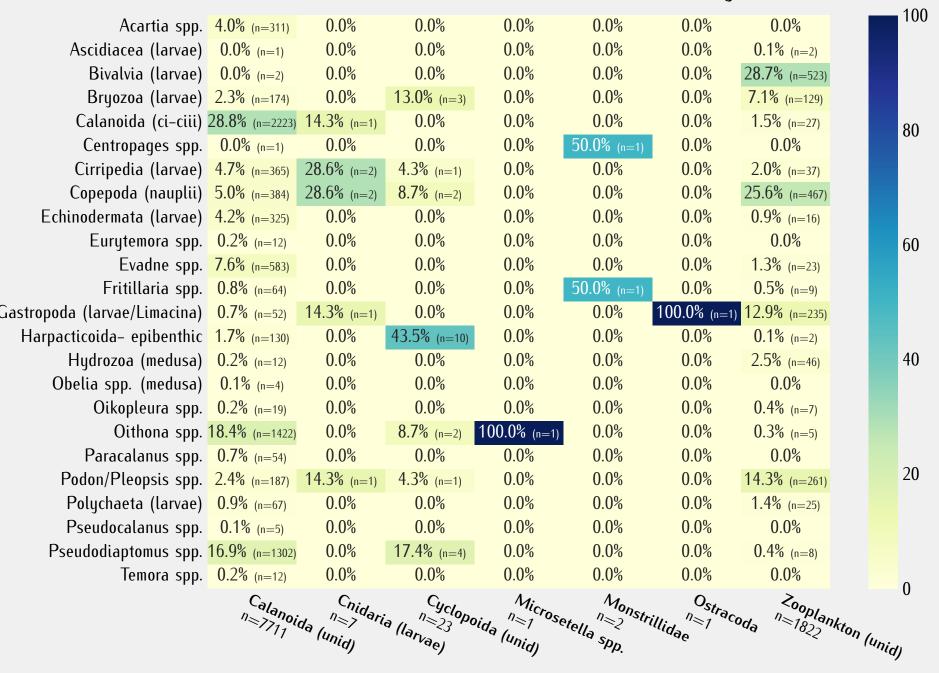
recall

f1-score

| | | | | | | | | | | | (| ontus | sion | Matr | ix – I | n perce | nt of | Actu | ıal Valu | e | | | | | | | | | ilia | precision | , | f1-score | 33 |
|-------------------------------|--------|------------|-------|-------------|-----------|-----------|----------|-------------------|--------|----------------|----------|-------------|----------|---------------------------------------|--------|--|---------------------|--------|----------------|--------------|---|----------------------|-------------------|--------|-------------------|----------------------|-------------------|--------------------------------------|---------------------------------|-----------|----------------|----------|----|
| Acartia spp. | 51% | | <1% | <1% | 25% | 6 8% | 4% | <1% | | 1% | <1% | <1% | <1% | <1% | 1% | <1% | % 25 | % < | 1% | <1% | <1% | <1% < | 1% | 4% | <1% | 2% <1% | <1% | Aca | artia spp. | 0.00 | recall 0.51 | 0.67 | |
| Bivalvia (larvae) | | | | | | % <1% | | | | | | <1% | | | | | | 1% < | | | | <1% < | | | | | | (n=18062-trair Bivalvia | a (larvae) | 0.07 | 0.93 | 0.95 | |
| Copepoda (nauplii) | | 1% | 93% | 1% | <1% | % <1% | s <1% | ó | <1% | | <1% | <1% | | <1% | | 1% | < | 1% 1 | % | | • | <1% < | (1% | | | | | (n=7955-tra Copepoda | (nauplii) | 0.78 | 0.93 | 0.85 | |
| Podon/Pleopsis spp. | | 3% | 13% | 67% | <19 | % <1% | s <1% | 6 1% | 8% | <1% | 3% | <1% | | <1% | | | 1! | % 2 | % | | | < | (1% < | <1% | <1% | | | (n=2753-trair Podon/Pleo p | · • | | | | |
| Oithona spp. | | | <1% | <1% | 82% | 6 4% | 5% | | | | <1% | | <1% | 2% | | 2% | 15 | % 1 | % | | | <1% < | (1% < | <1% | | | | (n=2715-tra | nona spp. | 0.05 | 0.67 | 0.74 | |
| Calanoida (ci-ciii) | 1% | | 4% | 3% | 15% | 6 34% | 12% | <1% | <1% | | 2% | 1% | | 4% | | 3% | 11 | % 6 | 0/0 | | | <1% < | (1% < | <1% | | | | (n=2572-tra | ain=5881) | 0.30 | 0.82 | 0.44 | |
| Pseudodiaptomus spp. | | | | | | 6% | - | | <1% | | | <1% | | 1% | | <1% | | % 4 | | <1% | | | | 2% | < | <1% | | Calanoida (n=1348-tra | ain=5557) | 0.21 | 0.34 | 0.26 | |
| Hydrozoa (medusa) | | 2% | | | | | | 69% | | <1% | | | | | | <1% 15 | | % < | | <1% | | 1% | | <1% | | | | Pseudodiaptor (n=1059-tra | | 0.39 | 0.61 | 0.47 | |
| Gastropoda (larvae/Limacina) | | | | | | | | 2% | 64% | | | <1% | | | | | | 1% < | | | | | | | | | | Hydrozoa ((n=671-tra | (medusa) ain=4052) | 0.83 | 0.69 | 0.75 | |
| Temora spp. | | | | | | 8% | | | | 26% | | 2% | | <1% | 4% | <1% | | % 6 | | 10% | | | 4 | 4% | <1% | 2% | | Gastropoda (larvae/L (n=629-tra | | 0.40 | 0.64 | 0.49 | |
| Bryozoa (larvae) | | <1% | | | | | | | 8% | | 47% | | | | | | | | 1% | | | < | (1% | | | | | , | nora spp. | 0.28 | 0.26 | 0.27 | |
| Polychaeta (larvae) | | | | | | % 2% | | | | <1% | | 45% | | <1% | | 3% | 89 | % 1(| | | | <1% | | | <1% <1% | | | Bryozoa | a (larvae) | 0.37 | 0.47 | 0.42 | |
| Ascidiacea (larvae) | | | | | 2% | | <1% | | | | | 1% | 92% | \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ | | | | | | | | <1% | 3% | | <1% | | | (n=247-tra Polychaeta | a (larvae) | 0.57 | 0.45 | 0.50 | |
| Harpacticoida- epibenthic | | | 5% | | | 6 10% | | | | <1% | <1% | | 32 0 | 23% | | 2% | 25 | % < | 1% | <1% | | 3% | | 3% | | 2% | | (n=237-tra Ascidiacea | ´ . | | 0.92 | 0.92 | |
| Centropages spp. | | | 3 0 | | | 6 11% | | | | 9% | | | | 25 0 | 11% | 20 | | | | \ 1 0 | | 3 0 | | 5% | | 2% | | (n=194-tr Harpacticoida- ep | rain=861) | 0.35 | | | |
| Echinodermata (larvae) | | | 5% | 11% | | | 3% | | | 3 0 | | 3% | | | 110 | 32% | 16 | % 27 | 7% | | | | | 3 0 | | 2 0 | | (n=108-tr | rain=555) | 0.09 | 0.23 | 0.13 | |
| Obelia spp. (medusa) | | | 5.0 | 10% | | | 3.0 | 10% | | | | 3.0 | | 5% | | | | % 5 | | | | 5% | I | 5% | | | | Centropa (n=44-tra | ain=3620) | 0.02 | 0.11 | 0.03 | |
| Evadne spp. | | | | 100 | 150 | o e | | 100 | 6% | | | | | 3 0 | | | 75 | | | | | 3 0 | | 3 0 | | 6% | | ` | ain=3043) | 0.04 | 0.32 | 0.07 | |
| Cirripedia (larvae) | | | 44% | 6% | | | | | 6% | | 6% | | | | | 6% | 7.5 | 31 | | | | | | | | 0.0 | | Obelia spp. ((n=21-tra | (medusa) ain=1003) | 0.15 | 0.19 | 0.17 | |
| Chaetognatha | | | 1 1/0 | 0/0 | | | | | 0/0 | | 0/0 | | 8% | | | 0/0 | | | 8% | | | 23% 6 | 7% | | | | | Eva (n=16-trair | adne spp. in=11064) | 0.02 | 0.75 | 0.03 | |
| Pseudocalanus spp. | | | | | | | 14% | | | 14% | | | 0/0 | | 14% | | | | | 29% | | 2570 | 270 | | | | | Cirripedia (n=16-tra | (larvae) ain=7685) | 0.01 | 0.31 | 0.02 | |
| capoda-non brachyura (larvae) | | | | | | | 1 1/0 | | | 1 1/0 | | | | | 1 1/0 | | | | | | 100% | | | | | | | Chaet | etognatha -train=89) | 0.50 | 0.08 | 0.13 | |
| Fritillaria spp. | | | | | | | | | | | | | | | | | | | | | | 67% 3 | 3% | | | | | Pseudocala | ´ • | 0.02 | 0.29 | 0.03 | |
| Oikopleura spp. | | | | | | | | | | | | | | | | | | | | | _ | 100% | J/0 | | | | | Decapoda-non brachyura | a (larvae) | 0.57 | 1.00 | 0.73 | |
| Paracalanus spp. | | | | | | | | | | | | | | | | | | | | | | 100/0 | | | 1 | 00% | | Fritilla | rain=423) l aria spp. | | 0.67 | 0.04 | |
| Osteichthyes (larvae) | | | | | | | | | | | | | | | | | | | 100% | | | | | | <u> </u> | 00% | | (n=3-tra) | ain=6992) | 0.02 | | | |
| Decapoda-brachyura (zoeae) | | | | | | | | | | | | | | | | | | | 100% | | | | | | 100% | | | (n=2-tra Paracala | eura spp. ain=5305) | | 0.00 | 0.00 | |
| , | | | | | | | | | | | | | | | | | | | | 100% | | | | | 100% | | | (n=1-tra | ain=1619) | 0.00 | 0.00 | 0.00 | |
| Eurytemora spp. | | <i>S</i> . | C | ⊘ | Q: | · C | <i>\</i> | 4 | C | \ \tag{2} | S. | <i>₽</i> | 40 | 4 | G | \$ 0 |), | ; (| | | <i>O</i> . | <u>^</u> | Q · | D, | 0. 0. | C C | 6. 6 | | -train=45) | 0.00 | 0.00 | 0.00 | |
| | Cartle | Sight Spp. | Dep. | Podo, (nali | DAPLE TIL | Mond Spp. | noide | Hydodiapid, Ciii) | TO TOO | remodel (lase) | Ora Spp. | Polyco lana | haer Sch | Markey (lai | Ctica | Chinodern Podges Spp. Chibenthic | Belia Splinata (lan | adhes | iripedia (lana | ans eldo | Decapoling of the state of the | Pritillaria non p | Oikopleul Spp. | dfdCdl | Osteichthyes (lan | drytenor danu | Spp. Spp. | Decapoda-brachyura (n=1-tr | rain=628) | 0.11 | 1.00 | 0.20 | |
| | | Ď | drag | (nall | Phis | 75/5 5D. | 10 | Ciii | mus me | Payso (16 | and Di | 'ANA | 2) (1) | ona, | Vae, | CD1, SDD. | Pata la. | (medi, | o. Maria | "that | anus | non br | Sp | 500 | ys yes (lan | brachy, Sp. | 110. 3 Spp. | Eurytem (n=1-tra | mora spp. ain=1818) | 0.00 | 0.00 | 0.00 | |
| | | | | | 9 | <i>%</i> | | | 1/2 | ropoda (la sa) | Lin | acin | | ツ | | Chinodern Podges Spp. Chibenthic | ·7 | des 3 | | | | Critillaria Pop. bra | Chyura , | 7 | | Curytemora Sp. (20e) | | Cala (n=0-tr | anus spp. rain=359) | _ | _ | - | |
| | | | | | | | | | | | | 9) | | | | | | | | | | | 14 | andel | | | Extra | Labidoc | cera spp. | _ | _ | - | |
| | | | | | | | | | | | | | | | Predic | ted Valı | ıes | | | | | | | | | | trainii classe | ng Torta | anus spp. | _ | _ | _ | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | macro avg | | 0.34 | 0.47 | 0.33 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | ted avg | | 0.65 | 0.70 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | weight | cu avy | 0.01 | 0.05 | 0.70 | |

Predicted Taxa

Predictions of discarded taxa from training



Relative Abundance of Top Taxonomic Instances per Sample

