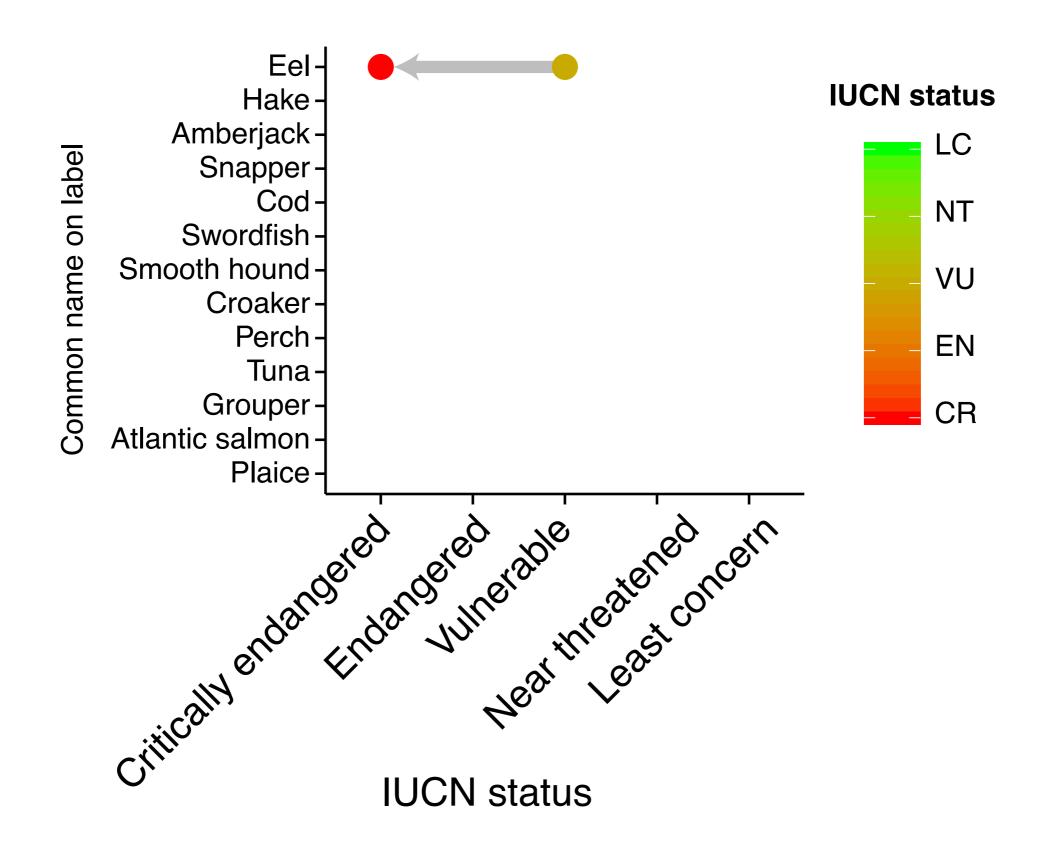
#### Seafood mislabeling



#### Are people being 'tricked' into eating less sustainable seafood?



# taxize use #1: get family names from genus names

```
## X Genus Prob

## 1 1 Acanthocybium 1.0000000

## 2 2 Acipenser 0.8235294

## 3 13 Arapaima 0.0000000

## 4 14 Argyrops 0.0000000

## 5 15 Argyrosomus 0.7411765

## 6 16 Argyrozona 0.1666667
```

This is what the data look like, a list of probabilities of mislabeling, by genus. Use taxize to get the family name for each of these genera:

```
##
                Genus
                           Prob
                                           fam
## 1 1 Acanthocybium 1.0000000
                                    Scombridae
## 2 2
            Acipenser 0.8235294 Acipenseridae
## 3 13
           Arapaima 0.0000000 Osteoglossidae
## 4 14
             Argyrops 0.0000000
                                      Sparidae
## 5 15
         Argyrosomus 0.7411765
                                    Sciaenidae
## 6 16
           Argyrozona 0.1666667
                                      Sparidae
```

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## 3 13
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## 4 14
                                       Sparidae
          Argyrosomus 0.7411765
## 5 15
                                     Sciaenidae
## 6 16
           Argyrozona 0.1666667
                                       Sparidae
```

## taxize use #2: go through species names and extract IUCN status

```
##
                           species IUCNstatus
## 1
                    Arapaima gigas
                                            DD
## 2 Brachyplatystoma rousseauxii
                                            LC
## 3
                Argyrops spinifer
                                            LC
## 4
                 Cheimerius nufar
                                            DD
## 5
               Anabas testudineus
                                            DD
## 6
                    Clarias fuscus
                                            LC
```

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## 4
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                                            DD
## 5
               Anabas testudineus
                                            DD
## 6
                   Clarias fuscus
                                            LC
```

