

# Article

Annie Dai<sup>1†</sup>, Emma Shroyer<sup>1†</sup>, Nathalie Bonin<sup>1†</sup>

<sup>1</sup>Computer Science Department, University of Maryland, College Park,  
Maryland, USA.

Contributing authors: [anniedai@umd.com](mailto:anniedai@umd.com); [eshroyer@gmail.com](mailto:eshroyer@gmail.com);  
[nbonin@gmail.com](mailto:nbonin@gmail.com);

<sup>†</sup>These authors contributed equally to this work.

## Abstract

The abstract serves both as a general introduction to the topic and as a brief, non-technical summary of the main results and their implications. Authors are advised to check the author instructions for the journal they are submitting to for word limits and if structural elements like subheadings, citations, or equations are permitted.

**Keywords:** Salmon, Tuna, Onefish, Twofish, Redfish, Bluefish

## 1 Background

### 1.1 Salmon

### 1.2 EM & VBEM

## 2 Experiment

### 2.1 Datasets

## 3 Evaluation

$$\text{ARD}_i = \begin{cases} 0 & \text{if } x_i = y_i = 0 \\ \frac{|x_i - y_i|}{x_i - y_i} & \text{otherwise} \end{cases}$$

$$\text{MARD} = \frac{1}{M} \sum_{i=1}^M \text{ARD}_i$$

### 3.1 Spearman Correlation

$$\rho = 1 - \frac{6 \sum d_i^2}{n(n^2 - 1)}$$

### 3.2 Mann–Whitney U Test

## References