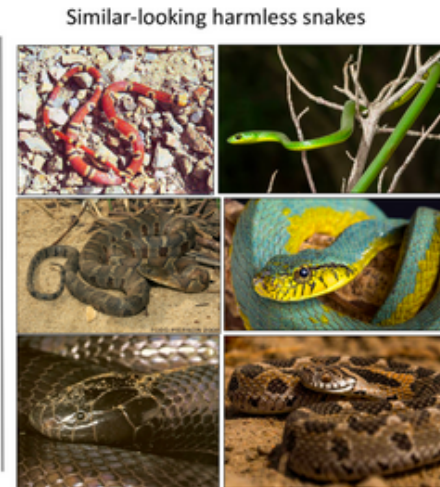
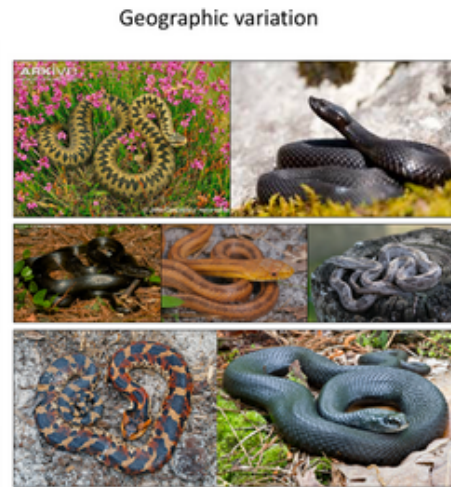


SNAKE SPECIES IDENTIFICATION CHALLENGE

**500,000 Victims of Snake  
Bites Globally Every Year**

# Goal of the Challenge

Accurately identify the snake species given an image

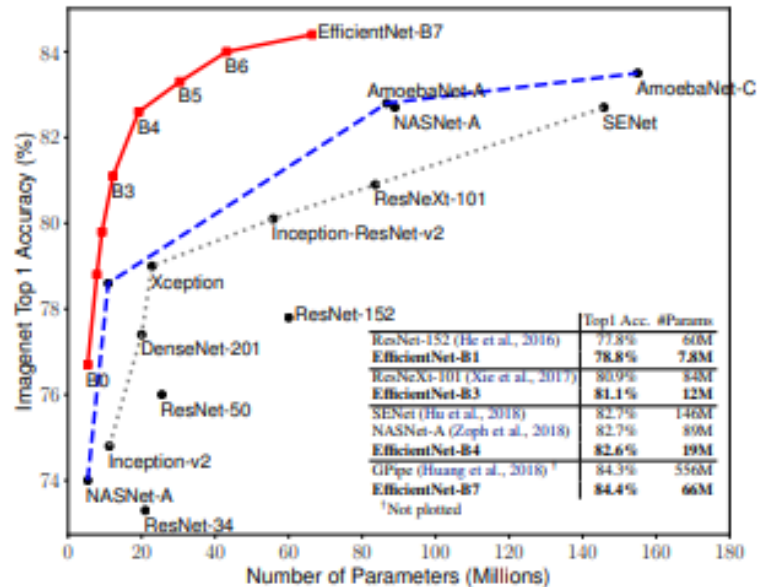


45 Species

Imbalanced

82,601 images

# Approaches



**Figure 1. Model Size vs. ImageNet Accuracy.** All numbers are for single-crop, single-model. Our EfficientNets significantly outperform other ConvNets. In particular, EfficientNet-B7 achieves new state-of-the-art 84.4% top-1 accuracy but being 8.4x smaller and 6.1x faster than GPipe. EfficientNet-B1 is 7.6x smaller and 5.7x faster than ResNet-152. Details are in Table 2 and 4.

Overview **Leaderboard** Discussion Resources Submissions

Round 1 **Round 2** Round 3

Starter Kit : <https://github.com/Alcrowd/snake-species-identification-challenge-starter-kit>

Δ	#	Participants	F1_Score	Log Loss	Entries
•	01	gokuleloop	0.861	0.532	37
•	02	EarthAI-Gramener	0.851	1.990	33
•	03	liberifatali	0.847	1.611	9
•	04	kristjan_kongas	0.846	0.672	20
•	05	gmacia	0.787	0.670	23

# Winning formula



Augmentation  
Rotation



# Thank you

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Founder

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