Meta-Learning for Black-box Optimization

≔ Author	Gautam Shroff Jyoti Narwariya Lveskesh Vig Pankaj Malhotra Vishnu TV
# Citations	0
⚲ Link	https://arxiv.org/abs/1907.06901
⏣ Publisher	ArXiv
⏣ Snowballing	
≔ Status	
⏣ Tags	Reading
⏣ Type	Academic Paper
▤ Year	@Oct 2, 2019

What did the authors try to accomplish?

- introduced RNN-Opt: an RNN trained optimizer under certain constraints

- can deal with:

  1. unknown range of possible values for black-box function to be optimized

  2. practical and domain knowledge based constraints

What were the key elements of the approach?

- Regret-based loss function

- Deal with lack of prior knowledge on range of the black-box function

- Incorporate domain-constraints

What parts can you use yourself?

- using domain constraints in RNN

What other references do you want to follow?