

Python Control  
Team 2 Moriarty  
Moriarty High

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- What is the project about? (the definition of the problem)

**The project is about the invasive species the burmese python and to save the native animals that lived there before but because of the burmese python it's decreasing the population of the native animals and causing a problem because if the pythons run out of the native species they could and possibly will go to households to find some**

type of food to eat to keep them alive like devouring a cat or a dog or any house pet that's big enough for the pythons appetit.

- How are you/do you plan to solve this problem computationally?

We aren't necessarily sure how we are going to solve this problem for getting rid of an invasive species is very difficult if not impossible we notice in florida there aren't that many predators that take care of the snakes for in the snakes original home they have birds killing the offspring and only few survive if they are lucky but in Florida this isnt the case the offspring has a larger percent to live if not a 100%....(adding more later)(mention netlogo,Predator prey, species, habitat, ideas for how to get rid of them)(Coldspells )

- What progress have you made up to this point? (research, code, etc.)

The progress we have for our, research is almost finished and some talk about interesting ways of limiting the burmese pythons in florida for one of them is talking about something to do with DNA (Read other research and).There is no close estimate of how many pythons there are.we also learned that hatchlings can survive longer in saltwater which can allow them to maybe spread farther because of their closely related DNA to the mangrove snake. When it gets cold the python becomes "paralyzed" and would become easier to capture and reduce their population for the next breeding season. The alligator is truly the only predator in Florida that could help control the python's spread.

- What results are you expecting?

We are expecting that our work or our report will inspire someone to take action on helping get rid of the burmese pythons. This will allow more native species,such as the rabbit, to appear again.

- citations to at least five sources of information you have researched.

<https://www2.usgs.gov/faq/categori>

<http://www.pnas.org/content/109/7/2418.full>

<http://link.springer.com/article/10.1007/s10530-008-9228-z>

<http://link.springer.com/article/10.1007/s10530-010-9797-5>

<http://myfwc.com/wildlifehabitats/nonnatives/reptiles/burmese-python/>