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University of South Florida St. Petersburg, Office of University Advancement.

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On April 18, 125 undergraduate students participated in the 13th annual Student Research Symposium at USF St. Petersburg. Students presented research posters on topics that ranged from the biology of music to medieval meals to crime break downs in St. Petersburg.

Students had the option to participate individually, as part of a group, or both. Eleven faculty sponsors were involved with the research symposium, and additional faculty attended the event to support students.

“Nothing was like this when I was in college,” said Dr. Thomas Smith, associate professor of Political Science and director of the University Honors Program. “The research being presented seems to be well thought out and features both sophisticated and diverse topics.”

Psychology senior Devin Plant, 20, presented on an experiment that looks at the effects of natural environments on inhibitory decision making.

“Presenting like this reinforces the value I place in teaching and conveying experiential information to others,” said Plant.

Biology junior Makenzie Burrows, 21, volunteered on her own to present at the event in order to get practice and a better understanding of how to most effectively present her research.

“I want to feel comfortable talking about science rather than just talking in general,” Burrows said.

Check out more photos from the research symposium in the Facebook photo gallery.
Undergraduates Present Research at Symposium

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Psychology senior Devin Plant, 30, presented on an experiment that looks at the effects of natural environments on inhibitory decision making.

“Presenting like this reinforces the value I place in teaching and conveying experiential information to others,” said Plant, whose first conference presentation experience was at the Florida Undergraduate Research Conference (FURC) at the University of Tampa. “It solidifies the idea that I want to be a teacher more and more.”

Biology junior Makenzie Burrows, 21, volunteered on her own to present at the event in order to get practice and a better understanding of how to most effectively present her research.

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Incidence of Skin Cancer
Based on Various Demographics

Joseph Ince
University of Idaho

Abstract

Introduction

Methods

Results

Conclusions

Figure 4. There was no significant correlation between incidence and age or year.

Bibliography


Figure 5. Incidence of skin cancer by age and sex.

Figure 6. Incidence of skin cancer by year and sex.
Which Genre of Music is the Most Popular?

Abstract: In this study, I compared the popularity of musical genres among records sold (or music downloaded) by year, age group, and genre.

Intro: Music is one of the most popular forms of entertainment, and it has been around for centuries. A common musical genre such as rock, pop, rap, and classical, every person has their own type of music preference when it comes to music. Music taste and varies among the age group. Music also varied across different records and CDs, but there is no specificocker or people are listening music on programs such as Spotify, Apple Music, and Pandora. Music is also distributed on MP3 files and MP4 files.

Methods: To study whether people prefer music or not, a total of 500 people were asked to see the genre of music they love. The survey was conducted in a group of 50 people, where the members were divided into five age groups and different genres of music were represented. The survey was conducted from June 1, 2021, to December 31, 2021.

Conclusion: The results of the survey show that rock music has the highest preference among people of all age groups. The age group of 18-25 years old and 26-35 years old had the highest preference for rock music, whereas the age group of 36-45 years old and 46-55 years old had the lowest preference for rock music. The results show that the genre of music that people prefer varies according to their age group.

Bibliography

Figure 1: This figure represents the percentage of people who prefer rock music among different age groups. Each bar represents the percentage of people who prefer rock music, and the height of the bar indicates the percentage.

Figure 2: This figure represents the percentage of people who prefer classical music among different age groups. Each bar represents the percentage of people who prefer classical music, and the height of the bar indicates the percentage.
Regional Chancellor Dr. Sophia Wisniewska visits with students and reads their research posters at the 13th annual Undergraduate Student Research Symposium on April 18.
Are We Getting Our Bucks Worth in Florida?
Emmaline C. Hunter
University of South Florida St. Petersburg, Experimental Biology 3SC 3402L

Abstract
Because of the love for Florida wildlife, I decided to analyze the 2015-2016 harvest of white-tailed deer in the Green Swamp West Preserve in Okeechobee, Florida. The preserve is home to a variety of ecosystems, and the Florida Wildlife Commission depends on hunters and fishermen to help keep populations in check and report data on how animals in each ecosystem are thriving. In this study, I found the majority of whitetail bucks were harvested in February.

Introduction
In this study, I investigated the 2015-2016 harvest of whitetail bucks in the Green Swamp West Preserve, in order to determine the health of the deer this season. Green Swamp West is 37,300 acres of beautiful Florida, and serves as the watershed for all of the Tampa Bay region and the South West Florida Management District. Florida has considerably smaller deer than the rest of the continental US primarily because Florida has a harsher climate, and the furrier is less nutritious than our northern states. An adult white-tailed buck (ram) from the north may exceed 130kg, whereas a typical adult buck from Florida weighs about 60kg.

Methods
Data was collected by myself during the hunting season. Data was analyzed by JMP SigmaStat Software.

Results
Analysis of Weight of Buck and Antler Size of Times to the Airborne
Analysis of Antler Size and Antler Size of Antler

Conclusions
I am very happy to report that the majority of the bucks harvested this season were above the average of 110lbs (FNWCA, 2015). Also, the average buck (FNWCA, 2015) was 7.5 inches. As seen in the figure, the size of the antlers was directly proportional to the size of the buck, which shows that Green Swamp West's preserve produces healthy deer, which is crucial for the future generation.