The University Research Symposium is an annual university-wide showcase of student research, scholarship and creative endeavor. On April 6th, 2018, the Brown Ball Room in the Bone Student Center was host to 303 posters and 452 student presenters. Throughout the day, faculty, staff, and visitors came to show their support of the students and their projects. The graduate school would like to thank all students and faculty mentors who were involved in this year’s symposium. All were integral to the event’s incredible success.
Millennial College Students: What Keeps Them Engaged in Classroom?

Michael Miller, Dr. Matt Karam, Dr. Addison Kerensky, Dr. Samantha Lynn

BACKGROUND
- Millennials are the generation born between 1982 and 2005, who are currently between 21 and 38 years old. They make up 26% of the U.S. workforce (2019).
- millennials have higher education levels than previous generations, with more than 50% of millennials having at least a bachelor’s degree.
- Millennials are often described as tech-savvy, independent, and entitled.

RESULTS
- Students who reported using technology in the classroom were more engaged and had higher grades than those who did not.
- Students who felt supported by their professors were more engaged and had higher grades than those who did not.
- Students who had a positive attitude toward learning were more engaged and had higher grades than those who did not.

CONCLUSION
- To keep millennial students engaged in the classroom, it is important to provide support, use technology, and foster a positive attitude toward learning.

On Loose Cycle Decomposition

Larisa Ramon, Cole Mate

Undergraduate Research with Faculty Mentor Soul El-Dessouky

Introduction
- The problem of decomposing a graph into a union of cycles is known as the cycle decomposition problem.
- The loose cycle decomposition problem is a relaxation of the cycle decomposition problem, where cycles can share vertices.

Methodology
- We designed a heuristic algorithm to find a loose cycle decomposition of a given graph.
- The algorithm is based on the concept of strongly connected components.

Results
- The algorithm was tested on a variety of graphs, and the results show that it is able to find loose cycle decompositions in a reasonable amount of time.

Conclusion
- The loose cycle decomposition problem is a useful tool for analyzing the structure of a graph and can be applied in various fields, such as network analysis and computer science.
Abundance of microplastics in freshwater streams

Discussion

The aim of the project was to identify research gaps in the intersection of hearing health and residential care for elders. The project also aimed to develop an interdisciplinary approach to address these gaps. The results suggest that there is a need for more research on the impact of hearing loss on older adults in residential care settings.

Summary

The study found that hearing loss is a significant issue for older adults in residential care settings. The study also highlighted the importance of early detection and intervention to prevent hearing loss. The study recommends that future research should focus on the impact of hearing loss on the quality of life of older adults in residential care settings.

References


Clarence A. NM, 2018
Illinois State University

Themes: Hearing Loss, Illinois State University

Presenters: Elyse, Illinois State University

Hearing Loss and Aging: Evidence-Based Practice for Hearing Health Professionals

Hearing Loss and Aging: Evidence-Based Practice for Hearing Health Professionals

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**Definition & Measurements of PI**

- **PI at School:** volunteer, meeting with teachers, participation in school functions, time in the classroom, communication with the student's teacher.
- **PI at Home:** learning activities, encouragement, conversations about school, expectations, dealing with child, hands-on help with homework.

**Research Questions**

- Relationship between parental PI and students' academic success.

**Findings**

Results indicate a positive correlation between parental involvement and students' academic success.

**Discussion**

There is a lack of studies conducted on the topic of parent-teacher relationships and their impact on student success. This gap is in need of further research.

**Participations**

- A total of 33 students were involved in the study.
- These students consisted of high school students with IEPs identified with Autism.

**References**
