

Giles T. Brown Student Project  
and Research Symposium



March 6, 2020









# Oral Presentations

Session 1: 9:30am-10:30am

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Avida Martinez and Luc Wu

Clara Passos Xavier Alonso

Omar Al-Muhtasib

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Damian Valenzuela

Anna Hollister

Syed Zia Hussain

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Adam Huñ The Necessity of Space in Order to Know and  
Care for the World

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Laura Liptrap

Brandi Mahnken

Kate Lyn Nordstrand and Luc Wu, Flygskam

Maggie Polite

Rosario Reyes

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sleep debt and on the weekend tried to recover lost sleep

### Omar AlMuhtasib, The Ugly Truth About Crooked Teeth: The Effects and Causes of Malocclusion

Over 66% of the U.S population has some degree of malocclusion (improper alignment of the upper and lower teeth), and it has become a norm that once you turn of a certain age, you seek orthodontic treatment to achieve straight teeth. The causes of malocclusion are unknown in 95% of cases. Although prevalent in today's society, malocclusions are rare within the preindustrial skeletal and prehistoric fossil records. To explore the reason for this high rate of malocclusions in modern society, a thorough search of PubMed electronic database was performed and various studies in the literature were compared and contrasted. In this brief review, three studies were summarized and discussed. One study was on rats and the negative impact of a soft food on the development of the jaw. The second study explores the role of certain orinasal habits (nasal breathing and tongue position) in the development of the proper dentofacial structure. The third study shows a high prevalence of malocclusion among n breastfed children. In conclusion these studies suggest that in order to avoid malocclusion in future generations: it is advised to consume whole tough foods, practice proper orinasal habits, and promote breastfeeding for a period of 6 months.

### Devin Adalan, International Students' Helpseeking Behavior, Perceived Adjustment, and Academic Success

International students are a major intellectual and financial resource to community colleges. There are approximately 1391 international students enrolled at Orange Coast College, and numbers are expected to increase. These students struggle with adjusting to a new social and academic environment in their host country. These struggles are crucial for student recruitment and retention. This paper aims to understand the relationship between international students' helpseeking behaviors and the use of campus resources as a mechanism of adjustment, a topic that has received little attention within the literature. This study uses an exploratory design to examine the relationship between international students' helpseeking behaviors and the use of campus resources. The survey will illustrate the relationships between GPA and the variables above and which factors predict the use of available OCC campus resources. By understanding this relationship, this paper aims to help international students who are an essential aspect of academic life.

Maegan Aronson Nurture the Mother

Postpartum depression (PMD) is a social issue that affects more than 10% of women who have children. Thousands of individuals are affected by this and yet nothing is being done to prevent it or solve it once it manifests. A handful of celebrities have shared their personal battles with postpartum depression, and while helpful, have hardly shed light on a problem every mother is at risk of experiencing. This research will delve into the neurological changes mothers undergo and why some are better candidates for PMD than



Western Europe; However, satellite nations and soviet republics that rebelled against the idea of Socialism and the Soviet Union now share a much higher GDP than nations and republics that did not. Therefore, the influence of the Soviet Union negatively affected every nation it encountered but especially impacted the Nations which embraced its theories and depended on Socialism for economical development. After the fall of the Soviet Union in 1991, nations like Serbia and Bulgaria suffered immensely due to their dependence on the Soviet Union. The fall of the Soviet Union was partly caused by two wars in the 1980s, the Soviet-Afghan war, and the Nagorno Karabakh war. The war in Afghanistan was caused by an aggressive regime that focused on continuing the spread of Socialism in Central Asia. The people of Afghanistan rebelled and fought against Soviet aggression until the war proved to be too costly for the Soviet government, leaving a vicious blow on the economy of the Soviet Union. Another war that sparked the fall of the Soviet Union was the Nagorno Karabakh war which created a contradiction in the Socialist values and caused disunity amongst the Soviet Republics. All in all, the Soviet Union was unsuccessful in its twentieth century expansion and several events throughout history prove that the spread of Socialism caused economic hardships and was ultimately a failure.

Brea Browne Lost or Found: The Authenticity of Film

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Reproduction it is suggested that the authenticity or aura of art is lost in reproduction. Specifically looking at the films Titanic and 12 Years a Slave, it will be considered if these films offer a lack of authenticity to the true historical events that occurred. While both movies received high acclaims, including the Academy Awards,



Connor Cuomo



Johan Digiovanni





Hannah Hanson

Anna Hollister



Yejin Hong

Syed Zia Hussain

Johnny Huynh and James Davis

Jonathan Kuse



Thu The Le

Brandi Mahnken

Avida Martinez and Luc Wu







Maggie Polite Glycolic Acid in Skincare

Skin concerns such as fine lines and premature aging are fairly common problems faced by the average person.





## Robert Stoll Neurophysiological Correlates in Narcissistic Personality Disordered Individuals

Recent studies on patients diagnosed with narcissistic personality disorder have demonstrated that a correlation may exist between a region of the brain called the left anterior insula and a propensity towards narcissistic tendencies. Ultimately this is a highly controversial subject, and the behaviors of narcissistic personality disordered individuals are extremely toxic, dangerous, and counterproductive to sustainable human progression. Given the elusive nature of this toxic disorder, professionals in psychology have a difficult time in diagnosing NPD, as the DSM is woefully inadequate with respects to criteria for diagnosis of narcissistic personality disordered individuals. I propose that in some of the most toxic individuals suffering from this disorder exists a neurophysiological correlation. If there were a way to determine if individuals suffer from narcissistic personality disorder by way of analyzing high resolution brain imaging, then the implications would be groundbreaking for possible future technologies. These narcissistic personality disordered individuals exist on a spectrum, but a commonality between all narcissistic personality disordered individuals is that they are pathologically inclined to lie about their behaviors. Hypothetically, if one could apply software analysis of brain imagery at the time of an interview for a government positions, leadership roles, or any professional occupations, the benefits would be innumerable. Nonetheless I will support my case against narcissistic personality disordered individuals in some detail, although the astonishingly negative effects of these individuals has been very well documented already. Is it possible to use neurophysiological correlation to determine narcissistic personality disorder in individuals by utilizing software analysis of brain imagery? I think quite possible, but more than just that, I think it is absolutely necessary for our sustained survival as a species on Earth.

## Nolan Thompson Machiavelli: The Prince

violence, including mass murder. It is also considered one of the modern starting points for political science. These facts are emblematic of a controversy that has existed amongst political analysis for centuries; is the work bluntly telling the truth about the nature of human behavior, or is it a manual for how to do evil and promote self-interest? To answer this question, I will be putting my own textual analysis of The Prince in conversation with research from political scientists Harvey Mansfield and Leo Strauss, amongst others. My work will conclude that The Prince is

not satirical, ruthless, or cynical, rather a formidable modernistic guide for politicians and rulers of the time, yet still applicable due to the consistent violent nature of world politics.

### Celine Tran Western Beauty Standards and Asian American Women

everyday lives. Digital media experts estimate that most Americans are exposed to 4,000 to 10,000 advertisements a day (Marshall). The bombardment of advertisements that often showcase Caucasian beauty ideals, however, has a negative impact on Asian American women. Most Asian American women value the ideals of Western beauty, leading to eating disorders, want for cosmetic surgeries, low self-esteem, and poor body image (Kaw). These insecurities feed into the 532 billion dollar beauty industry. The issue lies largely in the fact that Asian American women are comparing themselves and conforming to beauty standards that other races are more

largely due in part to Institutional Racism (also known as Systemic Racism) rooted deeply within the United States Legislature

throughout History from Black Codes to Jim Crow

gathered for this study have been obtained from government databases, monographs and film documents

History, we can solve and overcome many issues present and

EPS. Hopefully, as the knowledge of this relatively new discovery continues to grow and gain support, we will see a positive impact on our planet.

Richie Vu Does Spatial Mapping Technology Match Up to Human Recognition Ability?

With the prominence of autonomous vehicles, the technology utilized to sense and map the world around us has become especially important. This research project aims to answer whether spatial mapping technology today can match the ability of human driven recognition. The main ways that self

My method of analysis of four different laws and arresting trends is a comparative setting and historical analysis of the frequency and types of laws placed in California to criminalize and dehumanize the homeless. The four most popular laws in California include daytime activities, nighttime activities, begging and panhandling, and food sharing with the homeless. Through analysis of these laws, I found that stricter laws and arrests are increasing, this displays public anxiety on homeless people despite the return from the economic recession (Berkeley law). anti-homeless laws increasingly enacted in recent decades. The data reveal law enforcement is significantly less likely to punish people based on crimes largely committed by the homeless population. In conclusion, in order to avoid contributing to a cycle of discrimination innately based on the homeless, this information





