**Research Topic Ideas**

**Semester:** Fall 2025

**Day/Time:** Asynchronous

**Location:** Online

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**Office Hours:** As requested,

**Office Location:** online

**Office Hour Zoom:** as requested

**1. Science and Technology**

1. **Impact of Artificial Intelligence on Job Markets**  
   Research how AI automation is affecting employment trends in various industries.
2. **Quantum Computing and Cryptography**  
   Explore how quantum computers are redefining data security.
3. **Space Exploration and Sustainability**  
   Study how new technologies make space missions more sustainable.
4. **Blockchain in Healthcare**  
   Investigate how blockchain ensures secure patient data management.
5. **Nanotechnology in Medicine**  
   Examine the potential of nanotechnology for drug delivery systems.

**2. Social Sciences**

1. **Social Media and Mental Health**  
   Analyze how platforms like Instagram and TikTok impact self-esteem among young adults.
2. **Cultural Differences in Conflict Resolution**  
   Compare approaches to resolving disputes in different cultural settings.
3. **Impact of Urbanization on Rural Communities**  
   Study how urban migration influences rural economies and social structures.
4. **Gender Representation in Media**  
   Investigate how gender roles are portrayed in advertisements and movies.
5. **Effectiveness of Online Education**  
   Research the success rates of online versus traditional classroom learning.

**3. Health and Medicine**

1. **Effectiveness of Telemedicine During Pandemics**  
   Examine how telemedicine improves healthcare access during crises like COVID-19.
2. **Genetic Predisposition to Diseases**  
   Research the influence of genetics on susceptibility to chronic illnesses.
3. **Mental Health in College Students**  
   Investigate the primary causes of stress and anxiety among college students.
4. **Benefits of Intermittent Fasting**  
   Study the effects of intermittent fasting on metabolism and weight loss.
5. **Antibiotic Resistance Trends**  
   Explore how overuse of antibiotics contributes to resistance in bacteria.

**4. Business and Economics**

1. **Impact of E-Commerce on Small Businesses**  
   Research how platforms like Amazon affect local businesses.
2. **Cryptocurrency as an Investment Tool**  
   Study the risks and rewards of investing in cryptocurrencies.
3. **Role of Leadership in Organizational Success**  
   Analyze how leadership styles impact employee performance.
4. **Consumer Behavior in the Digital Age**  
   Examine how online reviews influence purchasing decisions.
5. **Microfinance in Developing Economies**  
   Investigate how small loans help lift people out of poverty.

**5. Environment and Sustainability**

1. **Plastic Pollution in Oceans**  
   Study the impact of plastic waste on marine life.
2. **Urban Farming and Food Security**  
   Explore how urban agriculture addresses food scarcity in cities.
3. **Deforestation and Climate Change**  
   Research how deforestation accelerates global warming.
4. **Sustainable Energy Solutions for Rural Areas**  
   Examine how solar or wind energy benefits rural communities.
5. **Green Architecture in Urban Planning**  
   Investigate how eco-friendly buildings reduce carbon footprints.

**6. Education and Learning**

1. **Effectiveness of Bilingual Education**  
   Study how learning in multiple languages impacts cognitive abilities.
2. **Role of Gamification in Learning**  
   Investigate how game-based learning tools improve student engagement.
3. **Inclusive Education for Special Needs Students**  
   Research how inclusive classrooms benefit students with disabilities.
4. **Impact of Teacher-Student Relationships on Academic Success**  
   Explore how mentorship shapes student performance.
5. **Digital Tools in Education**  
   Study how apps and platforms like Duolingo influence learning outcomes.

**7. Psychology and Human Behavior**

1. **Impact of Sleep on Cognitive Performance**  
   Examine how sleep deprivation affects memory and decision-making.
2. **Role of Emotional Intelligence in Leadership**  
   Study how emotional intelligence improves team management.
3. **Behavioral Effects of Social Isolation**  
   Investigate the psychological impact of long-term isolation.
4. **Influence of Advertising on Consumer Choices**  
   Research how emotional appeals in ads drive purchases.
5. **Child Development and Parenting Styles**  
   Study how parenting approaches influence children’s behavior.

**8. Arts and Literature**

1. **Role of Art Therapy in Mental Health**  
   Explore how creative arts help in treating mental illnesses.
2. **Censorship in Literature**  
   Investigate how censorship affects creative expression in books.
3. **Evolution of Digital Art**  
   Study the rise of digital art in contemporary culture.
4. **Representation of Historical Events in Movies**  
   Analyze how films depict major historical moments.
5. **Cultural Influence on Literature**  
   Research how cultural values shape storytelling across regions.

**9. Engineering and Technology**

1. **Advancements in Renewable Energy Storage**  
   Study the latest battery technologies for renewable energy.
2. **Role of Drones in Agriculture**  
   Investigate how drones improve crop monitoring and management.
3. **3D Printing in Medicine**  
   Explore the applications of 3D printing in creating prosthetics.
4. **Self-Driving Cars and Road Safety**  
   Research how autonomous vehicles could reduce traffic accidents.
5. **Role of IoT in Smart Cities**  
   Study how Internet of Things devices improve urban infrastructure.

**10. History and Political Science**

1. **Impact of Colonialism on Modern Economies**  
   Examine how colonial history influences current economic systems.
2. **Role of Social Movements in Policy Changes**  
   Study how grassroots campaigns drive legislative reforms.
3. **Cold War and Technological Advancements**  
   Investigate how the Cold War spurred innovation in science and tech.
4. **History of Women’s Rights Movements**  
   Research the evolution of women’s rights over the decades.
5. **Globalization and Cultural Identity**  
   Explore how [globalization](https://www.piie.com/microsites/globalization/what-is-globalization#:~:text=Globalization%20describes%20the%20growing%20interdependence,these%20movements%20over%20many%20centuries.) affects cultural preservation.