MAJ JAMES D. PLEUSS

Army Operations Research Systems Analysis (FA49) Officer

🎓 EDUCATION

Kansas State University
May 2016 | August 2014

M.S. in Operations Research　　　　　📍 Manhattan, KS

Thesis: Optimizing Disaster Response Communication Networks of Foreign Animal Disease
GPA: 4.0

United States Military Academy (USMA)
May 2007 | June 2003

B.S. in Computer Science　　　　　📍 West Point, NY

Honors: Superintendent's Award, Dean's List, Upsilon Pi Epsilon
GPA: 3.65

U.S. Army Professional Education
- Combatives Level 1, Fort Riley, KS, 2012
- Signal Captain's Career Course, Fort Gordon, GA, 2011
- Contracting Officer Representative, Torii Station, Okinawa, Japan, 2008
- Network Essentials Course, Fort Buckner, Okinawa, Japan, 2008
- Signal Basic Officer Leader Course, Fort Gordon, GA, 2007
- Basic Officer Leader Course, Fort Benning, GA, 2007
- Air Assault, Camp Smith, NY, 2005

🖥 TEACHING EXPERIENCE

Department of Mathematics, USMA
- MA206: Introduction to Probability and Statistics (8 semesters)
- MA103: Mathematical Modelings (1 semester)
- Intro to SQL (single day course)
- Academic Advisor for 4 cadet theses

💼 PROFESSIONAL EXPERIENCE

Assistant Dean for Plans, Analysis and Personnel
Present | June 2019

Office of the Dean, USMA　　　　　📍 West Point, NY

- Developed Academy and Army regulation for Sabbaticals and Operational Experiences.
- Responsible for faculty allocation and acquisition.
- Conducted analysis for Dean on a variety of topics: absences, academic boards, trip sections, etc.

Assistant Professor
June 2019 | June 2016

Department of Mathematical Sciences, USMA　　📍 West Point, NY

- Course Director for Introduction to Probability and Statistics Course
- Department Social Team and Sports Program Coordinator

CONTACT INFO

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 www.github.com/jimpleussjr
📞 +1 845-938-8006
📱 +1 757-816-7400

🏢 Office of the Dean of the Academic Board
United States Military Academy
ATTN: MAJ Jim Pleuss
646 Swift Road
West Point, NY 10996

🏠 26 Maple Road
Cornwall-on-Hudson, NY 12520

COMPUTING SKILLS

Expertise: R/RStudio, Markdown, Latex, O365 Suite, Simio

Familiarity: Git/Github, SQL, C/C++, Shiny, Mathematica, Python, Ada, VBA, Gephi, CPLEX

Last updated on 10 March, 2020

Signal Company Commander
C Company, 601st Aviation Support Battalion (ASB)   📍 Fort Riley, KS

May
2014
|
October
2012

• Provided tactical network coverage and support to 3,400 Soldiers in the Brigade.
• Responsible for $8.6 million of equipement as well as the health, welfare and training of 39 Soldiers.
• Deployed and Redeployed to Afghanistan with no loss of equipment or personnel.

Battalion Signal Officer (S6)
601st ASB, 1st Combat Aviation Brigade   📍 Fort Riley, KS

October
2012
|
April
2011

• Provide communication support to four companies and 650 Soldiers.
• Responsible for automations planning/maintenance and Information Assurance compliance.

Assistant Operations Officer
58th Signal Battalion, 516th Signal Brigade   📍 Fort Buckner, Okinawa, Japan

October
2011
|
August
2010

• Responsible for the training of 340 military and civilian personnel operating the only Strategic Tactical Entry Point Site in the Pacific.

Special Operations Task Force Operations Officer (S3)
1st Battalion, 1st Special Forces Group   📍 Camp Awang, Mindanao, Philippines

August
2010
|
January
2010

• Sychronized counter-terrorism and Philippine National Army capacity-building operations for the Special Operations Task Force covering the largest geographical area in the Joint Special Operations Task Force - Philippines.

💻 CONFERENCE PRESENTATIONS

Rendering Parameterized RMarkdown Reports
Army Operations Research Symposium   📍 Aberdeen, MD

October
2019

A Machine Learning Approach Relating 3D Body Scans to Body Composition in Humans
Joint Math Meetings   📍 Baltimore, MD

Feburary
2019

Modeling Undergraduate Statistics Performance
Joint Statistics Meetings   📍 Vancouver, British Columbia, Canada

August
2018

The Impact of Academically Homogeneous Classrooms in Undergraduate Statistics Education
Joint Statistics Meetings   📍 Vancouver, British Columbia, Canada

August
2018

Effects of Daily Required Homework on Student Achievement in Undergraduate Mathematics
International Conference for Technology in Collegiate Mathematics   📍 Chicago, IL

March
2017

📄 PUBLICATIONS

A Peer Writing Workshop in an Introductory Statistics Course to Improve Statistical Thinking and Writing
Cummiskey, K., Adams, B., **Pleuss J.**, Turner, D., Watts, K.   📍 Teaching and Learning the West Point Way

Under
Review
2020

Using Cadence to Predict the Walk-to-Run Transition in Children and Adolescents: A Logistic Regression Approach
Ducharme, S., Turner, D., **Pleuss J.**, Moore, C., Schuna Jr, J., Tudor-Locke, C.,Aguilar, E.   📍 Gait and Posture

Under
Review
2020

Causal Inference in Introductory Statistics Courses (Article Link)
Cummiskey, K., Adams, B., **Pleuss J.**, Turner, D., Clark, N., Watts, K.   📍 Journal of Statistics Education

February
2020

The Impact of Academically Homogeneous Classrooms for Undergraduate Statistics (Article Link)
Pleuss J., Turner, D., Collins, C.   📍 Problems, Resources, and Issues in Mathematics Undergraduate Studies

January
2020

June 2019

Condorcet Clustering with Delaunay Triangulation (Article Link)
Basset, M., Newton, B., Schlessinger, J., Schmidt, J., Lynch, S., Kuiper, P., Miller, R., Morse, S., **Pleuss, J.**, Russell, T., Pulleyblank, W.

📍 SBP BRiMS 2019

May 2019

Differential Effects of Incentivized Homework on Student Achievement in Undergraduate Mathematics (Article Link)
Koban, D., Fukuzawa, M., Slocum R., Fletcher, M., **Pleuss, J.**

📍 Problems, Resources, and Issues in Mathematics Undergraduate Studies

October 2018

A Machine Learning Approach Relating 3D Body Scans to Body Composition in Humans (Article Link)
Pleuss, J., Talty, K., Morse, S., Kuiper, P., Scioletti, M., Heymsfield, S., Thomas, D.

📍 European Journal of Clinical Nutrition

September 2018

Using Simulated Annealing to Improve the Information Dissemination Network Structure of a Foreign Animal Disease Outbreak Response (Article Link)
Pleuss, J., Heier Stamm, J., Ellis, J.   📍 Journal of Homeland Security and Emergency Management

May 2018

A Review of Machine Learning in Obesity (Article Link)
DeGregory, K.W., Kuiper, P., T. DeSilvio, T., **Pleuss, J.**, Miller, R., Roginski, J.W., Fisher, C.B., Harness, D., Viswanath, S., Heymsfield, S.B., Dungan, I., Thomas, D.M.

📍 Obesity Reviews

✊ SERVICE

Glee Club Officer Representative, 2016 - Present

Track Officer Representative, 2016 - 2018

Department Sports Program Coordinator, 2016 - 2019

Department SOcial Team Coordinator, 2016 - 2019

Fourt Class Sponsor Program, 2016 - Present

International New Cadet Host Family, 2017

Cadet Character Development Facilitator, 2019 - Present

🏆 ACTIVITIES/AWARDS

Academic
• Finalist for Pollin Teaching Excellence Award, 2019
• Master Teacher Program Graduate, 2018
• FedEx Memphis Hub Simulation Design Winner, 2014

Military
Awards/Decorations

• Meritorious Service Medal (2)
• Army Commendation Medal (2)
• Army Achievement Medal (2)
• National Defense Service Medal
• Afghanistan Campaign Medal
• Global War on Terrorism Expeditionary Medal

• Global War on Terrorism Service Medal
• Military Outstanding Volunteer Service Medal
• Philippine Civic Action Badge
• NATO Medal
• Meritorious Unit Commendation
• Army Superior Unit Award