

# MAJ JAMES D. PLEUSS

Army Operations Research Systems Analysis (FA49) Officer

## EDUCATION

May 2016  
|  
August 2014

### Kansas State University

M.S. in Operations Research

Manhattan, KS

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

May 2007  
|  
June 2003

### United States Military Academy (USMA)

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, 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

Present  
|  
June 2019

### Assistant Dean for Plans, Analysis and Personnel

Office of the Dean, USMA

West Point, NY

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

June 2019  
|  
June 2016

### Assistant Professor

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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🏢 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 07 October, 2020*

May 2014   October 2012	<b>Signal Company Commander</b> C Company, 601st Aviation Support Battalion (ASB) <div> <div>Fort Riley, KS</div> <ul style="list-style-type: none"> <li>• Provided tactical network coverage and support to 3,400 Soldiers in the Brigade.</li> <li>• Responsible for \$8.6 million of equipment as well as the health, welfare and training of 39 Soldiers.</li> <li>• Deployed and Redeployed to Afghanistan with no loss of equipment or personnel.</li> </ul> </div>
October 2012   April 2011	<b>Battalion Signal Officer (S6)</b> 601st ASB, 1st Combat Aviation Brigade <div> <div>Fort Riley, KS</div> <ul style="list-style-type: none"> <li>• Provide communication support to four companies and 650 Soldiers.</li> <li>• Responsible for automations planning/maintenance and Information Assurance compliance.</li> </ul> </div>
October 2011   August 2010	<b>Assistant Operations Officer</b> 58th Signal Battalion, 516th Signal Brigade <div> <div>Fort Buckner, Okinawa, Japan</div> <ul style="list-style-type: none"> <li>• Responsible for the training of 340 military and civilian personnel operating the only Strategic Tactical Entry Point Site in the Pacific.</li> </ul> </div>
August 2010   January 2010	<b>Special Operations Task Force Operations Officer (S3)</b> 1st Battalion, 1st Special Forces Group <div> <div>Camp Awang, Mindanao, Philippines</div> <ul style="list-style-type: none"> <li>• Synchronized 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.</li> </ul> </div>

## CONFERENCE PRESENTATIONS

October 2019	<b>Rendering Parameterized RMarkdown Reports</b> Army Operations Research Symposium <div> <div>Aberdeen, MD</div> </div>
February 2019	<b>A Machine Learning Approach Relating 3D Body Scans to Body Composition in Humans</b> Joint Math Meetings <div> <div>Baltimore, MD</div> </div>
August 2018	<b>Modeling Undergraduate Statistics Performance</b> Joint Statistics Meetings <div> <div>Vancouver, British Columbia, Canada</div> </div>
August 2018	<b>The Impact of Academically Homogeneous Classrooms in Undergraduate Statistics Education</b> Joint Statistics Meetings <div> <div>Vancouver, British Columbia, Canada</div> </div>
March 2017	<b>Effects of Daily Required Homework on Student Achievement in Undergraduate Mathematics</b> International Conference for Technology in Collegiate Mathematics <div> <div>Chicago, IL</div> </div>

## PUBLICATIONS

In Press 2020	<b>A Peer Writing Workshop in an Introductory Statistics Course to Improve Statistical Thinking and Writing</b> Cummiskey, K., Adams, B., <b>Pleuss J.</b> , Turner, D., Watts, K. <div> <div>Teaching and Learning the West Point Way</div> </div>
Under Review 2020	<b>Using Cadence to Predict the Walk-to-Run Transition in Children and Adolescents: A Logistic Regression Approach</b> Ducharme, S., Turner, D., <b>Pleuss J.</b> , Moore, C., Schuna Jr, J., Tudor-Locke, C., Aguilar, E. <div> <div>Gait and Posture</div> </div>
February 2020	<b>Causal Inference in Introductory Statistics Courses (<a href="#">Article Link</a>)</b> Cummiskey, K., Adams, B., <b>Pleuss J.</b> , Turner, D., Clark, N., Watts, K. <div> <div>Journal of Statistics Education</div> </div>
January 2020	<b>The Impact of Academically Homogeneous Classrooms for Undergraduate Statistics (<a href="#">Article Link</a>)</b> <b>Pleuss J.</b> , Turner, D., Collins, C. <div> <div>Problems, Resources, and Issues in Mathematics Undergraduate Studies</div> </div>

June 2019	<b>Condorcet Clustering with Delaunay Triangulation (<a href="#">Article Link</a>)</b> Basset, M., Newton, B., Schlessinger, J., Schmidt, J., Lynch, S., Kuiper, P., Miller, R., Morse, S., <b>Pleuss, J.</b> , Russell, T., Pulleyblank, W. <div>📍 SBP BRiMS 2019</div>
May 2019	<b>Differential Effects of Incentivized Homework on Student Achievement in Undergraduate Mathematics (<a href="#">Article Link</a>)</b> Koban, D., Fukuzawa, M., Slocum R., Fletcher, M., <b>Pleuss, J.</b> <div>📍 Problems, Resources, and Issues in Mathematics Undergraduate Studies</div>
October 2018	<b>A Machine Learning Approach Relating 3D Body Scans to Body Composition in Humans (<a href="#">Article Link</a>)</b> <b>Pleuss, J.</b> , Talty, K., Morse, S., Kuiper, P., Scioletti, M., Heymsfield, S., Thomas, D. <div>📍 European Journal of Clinical Nutrition</div>
September 2018	<b>Using Simulated Annealing to Improve the Information Dissemination Network Structure of a Foreign Animal Disease Outbreak Response (<a href="#">Article Link</a>)</b> <b>Pleuss, J.</b> , Heier Stamm, J., Ellis, J. <div>📍 Journal of Homeland Security and Emergency Management</div>
May 2018	<b>A Review of Machine Learning in Obesity (<a href="#">Article Link</a>)</b> DeGregory, K.W., Kuiper, P., T. DeSilvio, T., <b>Pleuss, J.</b> , Miller, R., Roginski, J.W., Fisher, C.B., Harness, D., Viswanath, S., Heymsfield, S.B., Dungan, I., Thomas, D.M. <div>📍 Obesity Reviews</div>



## SERVICE

**Glee Club Officer Representative, 2016 - Present**  
**Track Officer Representative, 2016 - 2018**  
**Department Sports Program Coordinator, 2016 - 2019**  
**Department Social Team Coordinator, 2016 - 2019**  
**Fourth Class Sponsor Program, 2016 - Present**  
**International New Cadet Host Family, 2017**  
**Cadet Character Development Facilitator, 2019 - Present**  
**Bible Study Leader 2018-Present**



## ACTIVITIES/AWARDS

### Academic

- Third Place in Inaugural Army Analysyt Data Challenge, 2019
- Finalist for Pollin Teaching Excellence Award, 2019
- Master Teacher Program Graduate, 2018
- FedEx Memphis Hub Simulation Design Winner, 2014

### Military

#### Awards/Decorations

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|---|---|
| <ul style="list-style-type: none"> <li>• Meritorious Service Medal (2)</li> <li>• Army Commendation Medal (3)</li> <li>• Army Achievement Medal (2)</li> <li>• National Defense Service Medal</li> <li>• Afghanistan Campaign Medal</li> <li>• Global War on Terrorism Expeditionary Medal</li> </ul> | <ul style="list-style-type: none"> <li>• Global War on Terrorism Service Medal</li> <li>• Military Outstanding Volunteer Service Medal</li> <li>• Philippine Civic Action Badge</li> <li>• NATO Medal</li> <li>• Meritorious Unit Commendation</li> <li>• Army Superior Unit Award</li> </ul> |
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