**Mathematical Competitive Game 2013-2014**

The Mathematical Competitive Game 2013-2014, organized jointly by the French Federation of Mathematical Games and Société de Calcul Mathematique SA, is now open until April 30, 2014! The topic for this year is "Checking an Industrial Process." Winners will receive monetary prizes ranging from 100 to 500 Euros. If interested, please visit: http://scmsa.eu/archives/SCM_FFJM_Competitive_Game_2013_2014.pdf for a complete description of the game.

**Summer Internships and Career Opportunities**

Applications for Summer 2014 Data Science for Social Good Fellowship will be available on December 1, 2013. This fellowship is a University of Chicago 3-month summer program for aspiring data scientists to work on data mining, machine learning, big data, and data science projects with social impact. Working closely with governments and non-profits, fellows take on real-world problems in education, health, energy, transportation, and more. To learn more about the program and how to apply, visit http://dssg.io.

Are you interested in a career in finance? On Wednesday, November 20, there will be an online information session on the Berkeley Master of Finance Engineering (MFE) program and career paths in finance and big data fields. The executive director, admissions staff, and current students will be answering questions and conducting on-the-spot resume reviews to let you know how to prepare for a career in finance. For more information and to RSVP, visit http://mfe.berkeley.edu/.

**Problem of the Week**

Determine:

\[
\lim_{n \to \infty} \sum_{i=0}^{n} \sum_{j=0}^{n-i} \frac{x^i}{i!} \frac{1}{j!}
\]

**Acknowledgments**

Isaac Garfinkle, Larkin Flodin, and guest submitter Tom Dobrow provided correct solutions to last week's problem. By lottery, Larkin wins a prize from the BBOP. John Snyder in Oconomowoc also submitted an interesting Mathematica analysis with asymptotics.

**Until Next Term!**

This is the last issue of the Goodsell Gazette this term, and of 2013! Good luck on final papers and exams in the next few weeks! Have a great winter break and see you next term!