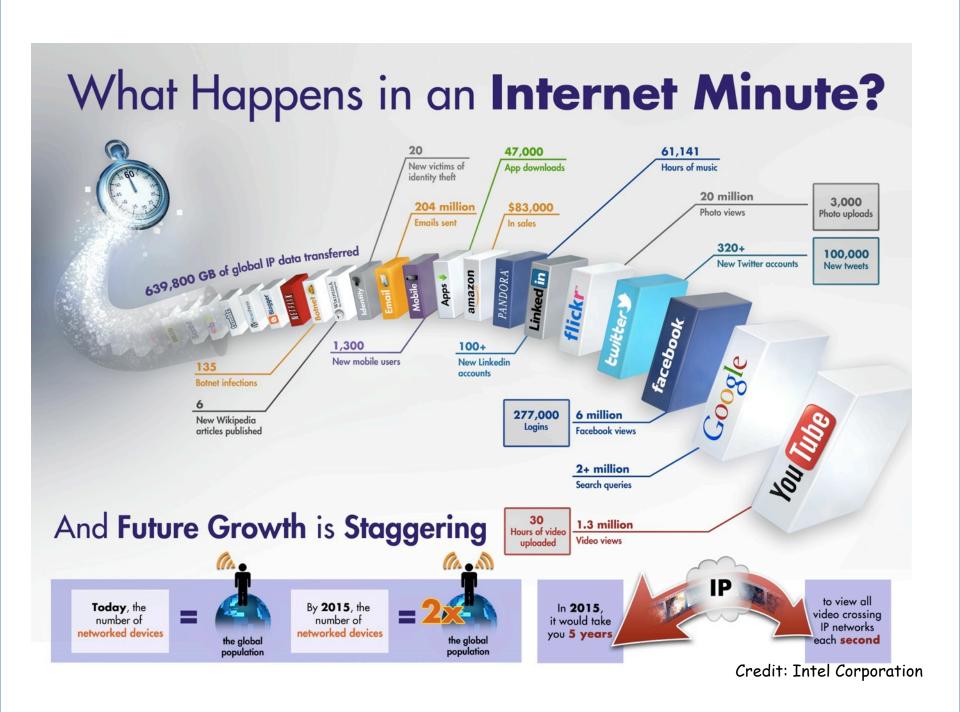
PURDUE MOVES STRENGTHENING COMPUTER SCIENCE TO DRIVE DISCOVERY

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The last 30 years of research in ML/DM has resulted in wide spread adoption of predictive analytics to automate and improve decision making.

As "big data" efforts increase the collection of data ... so will the need for new data science methodology. Data today have more volume, velocity, variety, etc.

Machine learning research develops statistical tools, models & algorithms that address these complexities.

Data mining research focuses on how to scale to massive data and how to incorporate feedback to improve accuracy while minimizing effort.

DEMAND FOR GRADUATES

OF COMPUTER SCIENCE PROGRAM

- Robust and growing demand for CS students
- Hands-on, profitable internships
- Job placement near 100%; top salaries; sustained career advancement
- Expansive Corporate Partners Program
 - Separate CS Career Fair
 - Company days in the Lawson Commons



CS CORPORITE PARTNERS

A VERY DIVERSE GROUP





STRENGTHENING COMPUTER SCIENCE

- Capitalize on current success and meet the future demand for CS graduates
- Demand + Excellence + Societal Need
- Increase enrollment for undergraduates and graduate students by 27%
- Increase faculty and staff
 - More than 20 faculty candidates have visited campus
 - Meet new CS hire Dr. Mathias Payer
- Create degree programs
- Professional MS in Data Science
- Joint programs, Core Curriculum





Payer



IN PARTNERSHIP WITH AGRICULTURE

- Data is the new frontier for agriculture
- Capitalizing on Purdue's strengths to leverage the power of computing for feeding a growing world
- Purdue will become the pre-eminent leader in **Cyber-Sustainability for Agriculture**
- · Increased entrepreneurship in this promising शिक्त

Questions?



head and Jennifer Neville, associate professor of Computer Science

