Xerox Research Innovation Challenge

& Winter School on Machine Learning

XRCI Open 2016

Are you excited by challenging data science problems? Are you interested in solving some of the pressing healthcare problems in today's world? **Xerox Research Innovation Challenge is the right platform for you!!**

We are calling all Data Science enthusiasts to participate in the Xerox Research Innovation Challenge. This will be an unprecedented competitive forum to design innovative models and algorithms for real life analytics problems.

- ✓ **Apply your Data Science skills to solve the problems.**
- ✓ **Brainstorm over some of the pressing problems in today's world, build innovative solutions for healthcare.**
- ✓ **Demonstrate your solutions at XRCI Open & win exciting prizes**

The challenge will be executed in three phases. PhD, masters and senior undergraduate (3rd year and above) students from Indian universities are eligible to participate.

Top 10 teams of Data Science Challenge will be invited to XRCI to spend 3 weeks to compete for the grand challenge, this includes a preparatory school in Machine Learning for a week. XRCI will cover travel & accommodation; and provide stipend for this period.

Important Dates

Registration	Sep 15- Oct 11
Data Science Challenge	Oct 12 – Oct 25
Results for Round I	Oct 26
Winter School	Dec 14 - 18
Grand Challenge	Dec 15 – Jan 01
Final Presentation	Jan 22, 2016

Xerox Research Innovation Challenge

Format

Phase I: Data Science Challenge
- A qualifier round to select students for Phases II and III.
- Details of the challenge is available at: http://xrci.xerox.com/xerox-research-innovation-challenge
- Students can form teams of up to 3 members for participation (we do not encourage teams of less than 3 members).
- Top 10 teams from this challenge will be hosted at XRCI for 3 weeks for the Winter School and Grand Challenge.
- Dates: October 12 – 25, 2015
- Duration: 2 weeks
- Hosted at: HackerRank

Phase II: Winter School on Machine Learning
- XRCI will provide travel and housing to all the participants and pay a stipend of Rs. 20,000 during phases II and III.
- This school will present a breadth of topics ranging from fundamentals of Machine Learning to state-of-the-art research and applications to Big Data Analytics.
- Tutorial talks by invited academicians and XRCI scientists addressing both theoretical and practical aspects of Machine Learning
- Detailed program will be made available at: http://xrci.xerox.com/xerox-research-innovation-challenge
- Dates: December 14 – 18, 2015
- Duration: 1 week

Phase III: Grand Challenge
- *Patients admitted to hospitals are susceptible to many complications like various infections and acute conditions (like stroke, sepsis…). The aim of this challenge is to analyze past data of patients and design novel machine learning models and algorithms that can predict these complications before they occur. These models can be used to provide alerts to clinical staff and identify high—risk patients in hospitals in order to provide better care and save patients' lives.*
- Dates: December 15, 2015 – January 1, 2016
- Duration: 2 weeks

Prizes
- ✓ Winning team in the Research Innovation Challenge will receive a MacBook for each member and Runner-ups will receive an iPad for each member
- ✓ Invited Participation at XRCI Open 2016 and Internship opportunities at XRCI
- ✓ Opportunity to publish the results with XRCI scientists in top-tier international conferences/journals

Important Links

Register & participate at:
https://www.hackerrank.com/xerox-research-innovation-challenge-2015

https://www.facebook.com/XRCIOpen2016

XRCI.Open@xerox.com

For details, visit:
http://xrci.xerox.com/xerox-research-innovation-challenge

xerox ®