



CONFERENCE

NEW YORK

2020

WHERE R ENTHUSIASTS AND DATA SCIENTISTS
GATHER TO EXPLORE, SHARE AND INSPIRE IDEAS

#rstatsnyc

Presented by  **lander**analytics



Welcome to the 6th annual **R Conference** | New York!



Access the event from the
Hopin link in your e-mail



Find the program & more
at **rstats.ai**



Join us at **nyhackr.org/slack.html**
Search for the **#nyr-2020** channel

The backbone of the R language is its community of users, contributors and supporters. The open source ethos of this community propels the language forward with tens of thousands of add-on packages and a helpful, welcoming environment. All around the world, R users hold meetups where knowledge is shared and relationships are formed. This conference grew out of the New York Open Statistical Programming Meetup (also known as the New York R Meetup), the largest in the world, with almost 12,000 members. Topics from the meetup include data science, visualization, machine learning, deep learning and so much more. You can browse 11 years of presentations at nyhackr.org.

The **R Conferences** in **New York**, **Washington D.C.**, and, soon, **Dublin**, were created to foster the local R communities and serve as fun gathering places where people can learn from their peers in an inviting setting. Because we cannot gather in person this year, we are meeting on a virtual platform designed to stream live talks and encourage great personal interactions, even remotely.

Thank you for joining us for our sixth annual and first virtual **R Conference**!

Jared P. Lander
Chief Data Scientist





BOOTH PRIZES!

Visit the Lander Analytics booth in
the Expo area of hopin to win prizes.














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AGENDA

Friday, August 14th

8:00 am - 8:50 am	Registration and Virtual Breakfast on  hopin
8:50 am - 9:00 am	Opening Remarks Jared P. Lander, <i>Lander Analytics</i>  @jaredlander
9:00 am - 9:20 am	Ensemble Forecasts with {fable} Dr. Rob J. Hyndman, <i>Monash University</i>  @robjhyndman
9:25 am - 9:45 am	Adaptive Experimentation Dr. Adam Obeng, <i>Facebook</i>  @Adam_Obeng
9:50 am - 10:10 am	Using R to Better Understand R-Ladies NYC Ludmila Janda, <i>Amplify</i>  @ludmila_janda
10:10 am - 10:40 am	Break & Networking
10:40 am - 11:00 am	{funneljoin}: Defining a Tidy Grammar on Funnels in R Emily Robinson, <i>Warby Parker</i>  @robinson_es
11:05 am - 11:25 am	Finding the Tallest Tree: Comparing Decision Tree, Random Forest and Boosted Tree Packages Jared P. Lander, <i>Lander Analytics</i>  @jaredlander
11:30 am - 11:50 am	Creating Interactive Lessons in R Daniel Chen, <i>Virginia Tech and Lander Analytics</i>  @chendaniely
11:50 am - 1:00 pm	Virtual Lunch & Networking on  hopin
1:00 pm - 1:20 pm	Deep Learning Battle: TensorFlow 2 vs PyTorch Dr. Jon Krohn, <i>untapt</i>  @JonKrohnLearns
1:25 pm - 2:05 pm	Truly Open Science: From Design and Data Collection to Analysis and Decision Making Dr. Andrew Gelman, <i>Columbia University</i>  @StatModeling

2:05 pm - 2:35 pm	Break & Networking
2:35 pm - 2:55 pm	<div><div><div><div>MLOPS with R: An End-to-End Process for Building Machine Learning Applications</div><div>Dr. David Smith, <i>Microsoft</i></div></div><div><div><div><div></div><div>@revodavid</div></div></div></div></div></div>
3:00 pm - 3:20 pm	<div><div><div><div>Re-Inventing Customer Engagement with Machine Learning</div><div>Laura Gabrysiak, <i>Visa & R-Ladies Miami</i></div></div><div><div><div><div></div><div>@lauragabrysiak</div></div></div></div></div></div>
3:25 pm - 3:45 pm	<div><div><div><div>Modeling COVID-19 Spread in Jails and Communities, in R</div><div>Brooke Watson, <i>ACLU</i></div></div><div><div><div><div></div><div>@brookLYNevery1</div></div></div></div></div></div>
3:45 pm - 4:15 pm	Break & Networking
4:15 pm - 4:35 pm	<div><div><div><div>Doubly Robust Estimation of Causal Effects in R</div><div>Dr. Sebastian Teran Hidalgo, <i>Vroom</i></div></div><div><div><div><div></div><div>@steranhidalgo</div></div></div></div></div></div>
4:40 pm - 5:00 pm	<div><div><div><div>Speech: The Other, Other NLP</div><div>Heather Nolis, <i>T-Mobile</i></div></div><div><div><div><div></div><div>@heatherklus</div></div></div></div></div></div>
5:00 pm - 5:10 pm	<div><div><div><div>Closing Remarks</div><div>Jared P. Lander, <i>Lander Analytics</i></div></div><div><div><div><div></div><div>@jaredlander</div></div></div></div></div></div>
5:35 pm - 7:00 pm	<div><div><div><div>Happy Hour with Stand-up Comedian Rachel Lander and Westland Distillery Educational Piece</div><div>5:45 pm Standup Comedy with Rachel Lander (no relation to Lander Analytics!)</div><div>6:00 pm <i>Westland Distillery</i> Brand Ambassador</div></div><div><div><div><div></div><div>@hip_fun_mathgrl</div></div><div><div><div></div><div>@WestlandWhiskey</div></div></div></div></div></div></div>
	<div><div><div><div><div><div><div><div><div><div><div></div><div>I actually believe that anyone can do math</div></div></div></div></div></div></div></div></div></div></div>
	<div>Rachel Lander performing stand-up.</div>

AGENDA | Saturday, August 15th

9:00 am - 9:50 am	Virtual Breakfast on  hopin
9:50 am - 10:00 am	Opening Remarks Jared P. Lander, <i>Lander Analytics</i>  @jaredlander
10:00 am - 10:20 am	What I Learned from Porting my Viral Website from .NET to {shiny} Dr. Jacqueline Nolis, <i>Brightloom</i>  @skyetetra
10:25 am - 10:45 am	Automated Machine Learning Sonia Ang, <i>Microsoft</i>  @galleontrade
10:45 am - 11:15 am	Break & Networking
11:15 am - 11:35 am	All the World's A Stage: Elements for Visualization of Multivariate Spatiotemporal Data in R Emily Dodwell, <i>AT&T Labs Research</i>  @emdodwell
11:40 am - 12:00 pm	A New Way to Interface with Stan from R Jonah Gabry, <i>Columbia University</i>  @mcmc_stan
12:05 pm - 12:25 pm	Speeding Up Data Access in R with Apache Arrow Wes McKinney, <i>Ursa Labs</i>  @wesmckinn Dr. Neal Richardson, <i>Ursa Labs</i>  @enpiar
12:25 pm - 1:35 pm	Virtual Lunch & Networking on  hopin
1:35 pm - 1:55 pm	Higher, Further, Faster with Marvelous RMarkdown Dr. Thomas Mock, <i>RStudio</i>  @thomas_mock
2:00 pm - 2:20 pm	The {widyr} Package: Calculate Pairwise Correlations, Clustering, and More within a Tidy Workflow Dr. David Robinson, <i>Heap</i>  @drob
2:25 pm - 2:45 pm	Resampling, Repeated Measures Designs, and You Dr. Max Kuhn, <i>RStudio</i>  @topepos

2:45 pm - 3:15 pm

Break & Networking

3:15 pm - 3:35 pm

Scalable Automatic Machine Learning in R

Dr. Erin LeDell, *H2O.ai*

 @ledell

3:40 pm - 4:00 pm

How to Prepare and Teach an R Lesson

Monica Thieu, *Columbia University*



4:05 pm - 4:25 pm

What to do When You Can't A/B test: Exploring Different Causal Inference Methods

Camelia Hssaine, *Codecademy*

 @cameliacassetet

4:25 pm - 4:35 pm

Closing Remarks

Jared P. Lander, *Lander Analytics*

 @jaredlander

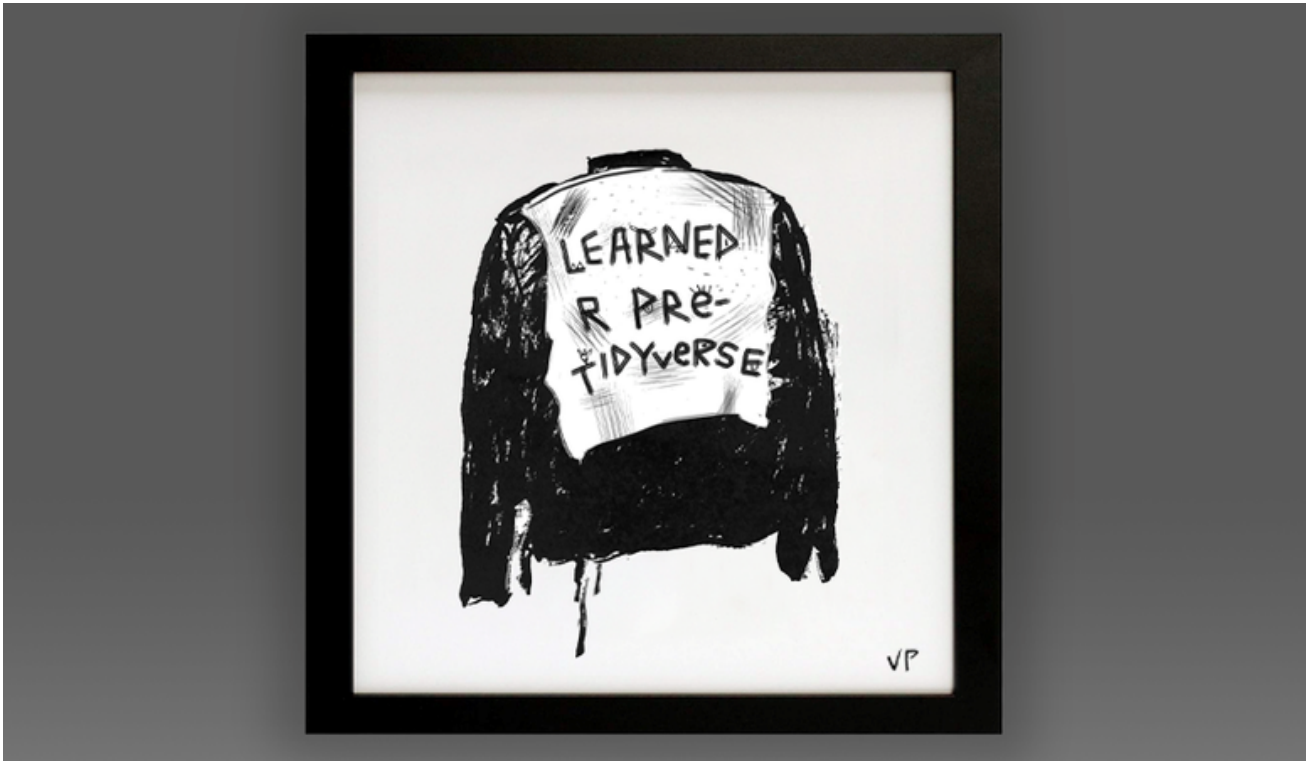
4:40 pm - 6:00 pm

Happy Hour with Bruichladdich Distillery Educational Piece

 @Bruichladdich

5:00 pm *Bruichladdich* Brand Amabassador

Don't forget to check out the R Art Auction!
All proceeds will be donated to the [R Foundation](#)



Visit rstats.ai/auction to browse artwork and place a bid.
Winners will be announced on August 15.

Thank you to everyone involved in the
sixth annual **R Conference New York!**

For dates and information on future conferences follow us
on Twitter [@rstatsnyc](#) and [@rstatsdc](#) or visit rstats.ai



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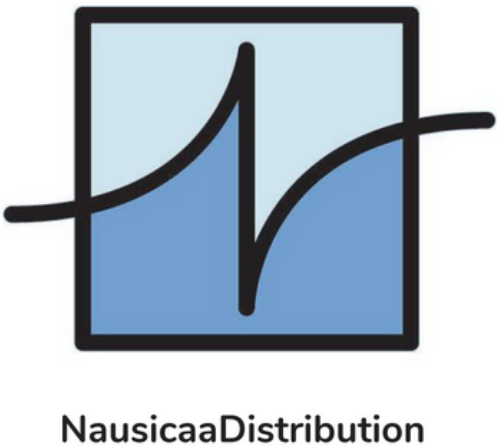
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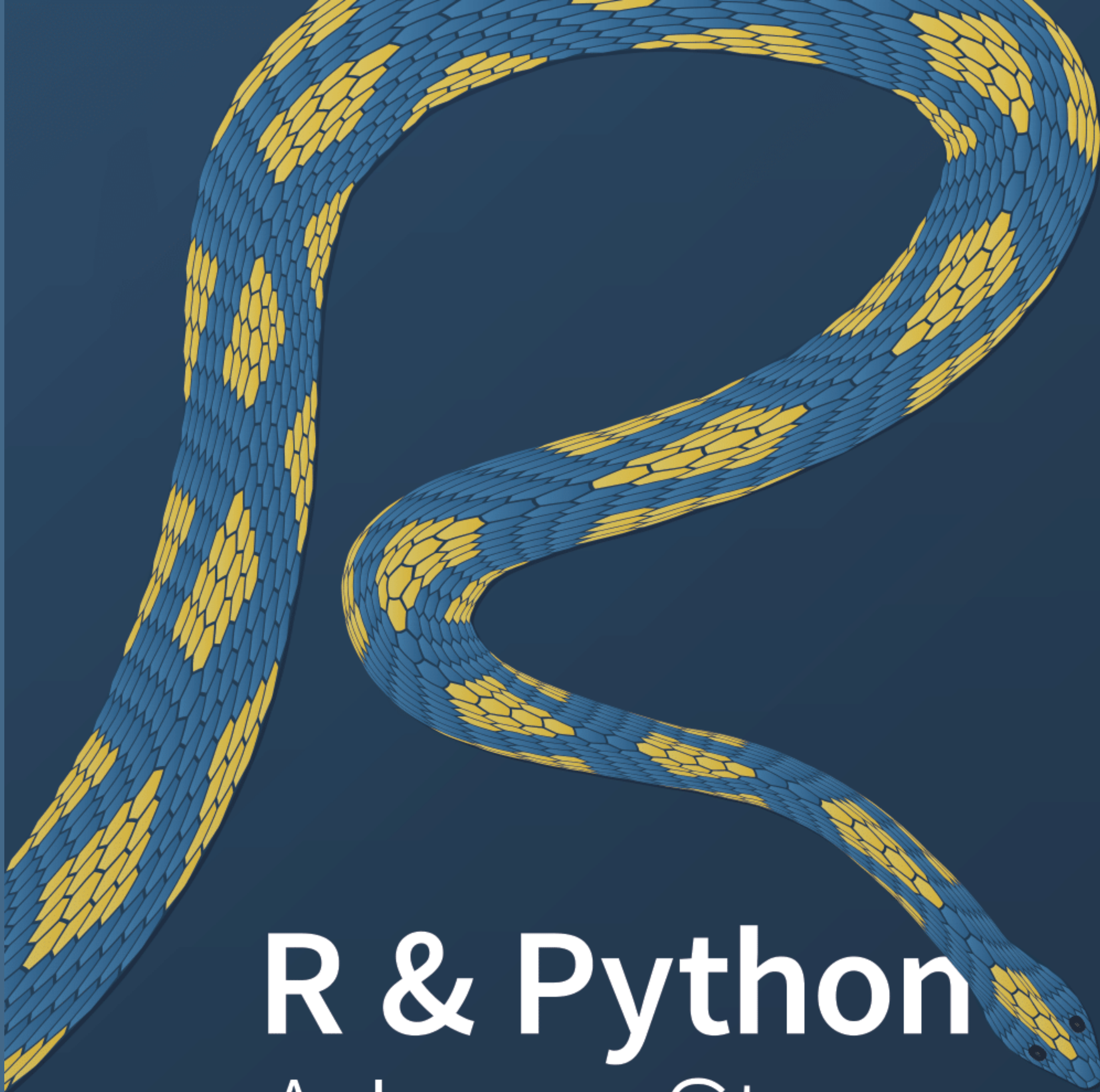


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R & Python

A Love Story

UPCOMING LIVE WEBINAR | Wednesday, August 26th at 11am ET

Debunking the R vs. Python Myth

A panel discussion about delivering the most value using R and Python, with **Carl Howe** & **Sean Lopp** (RStudio) and **Jared Lander** & **Daniel Chen** (Lander Analytics)

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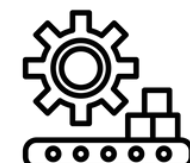
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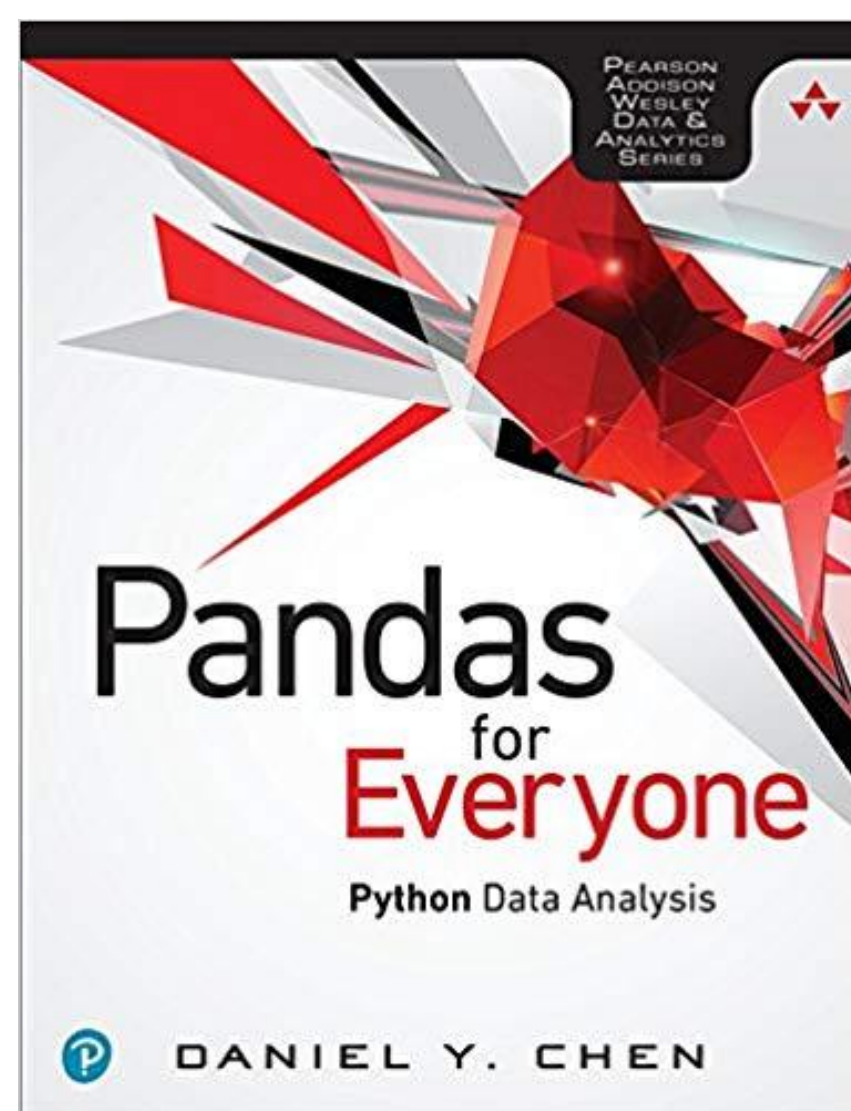
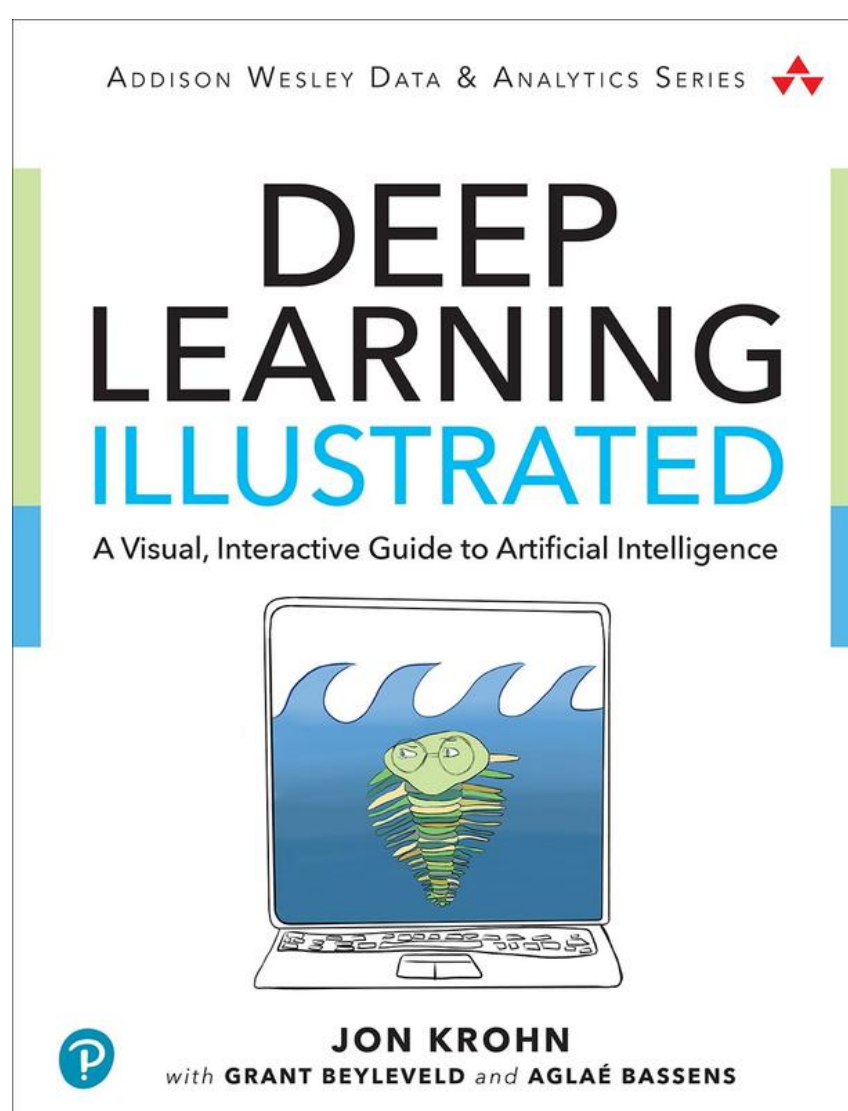
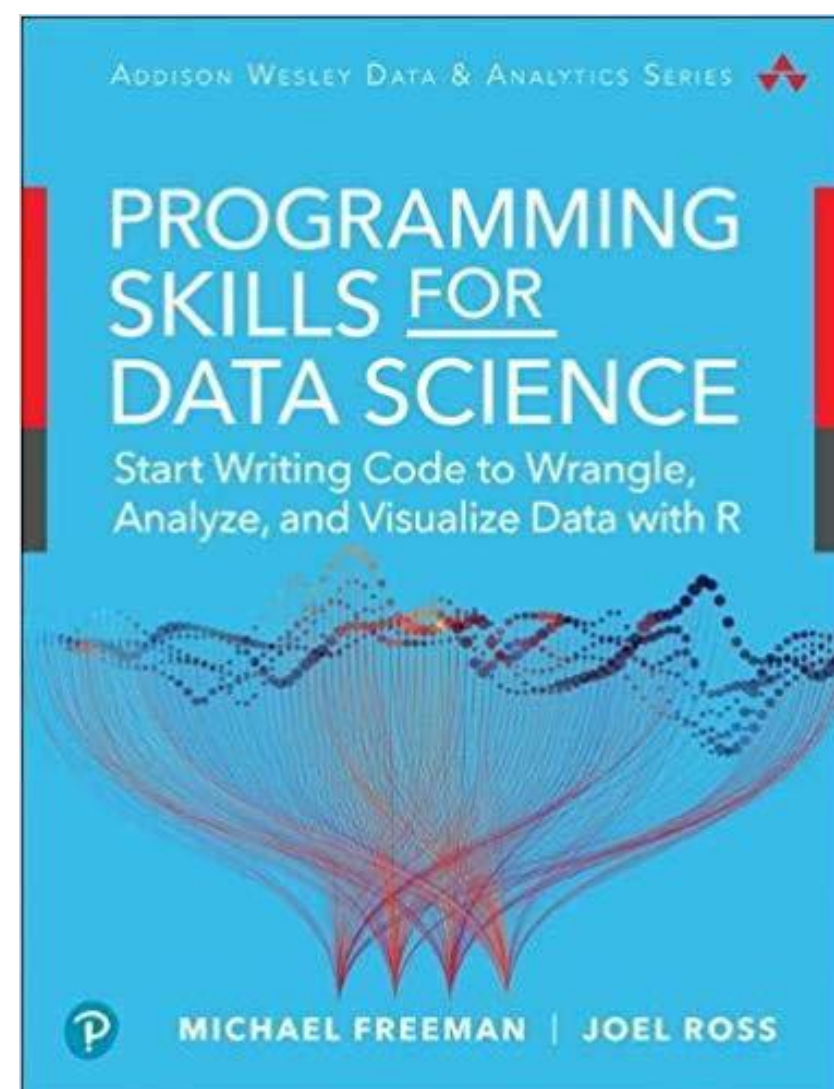
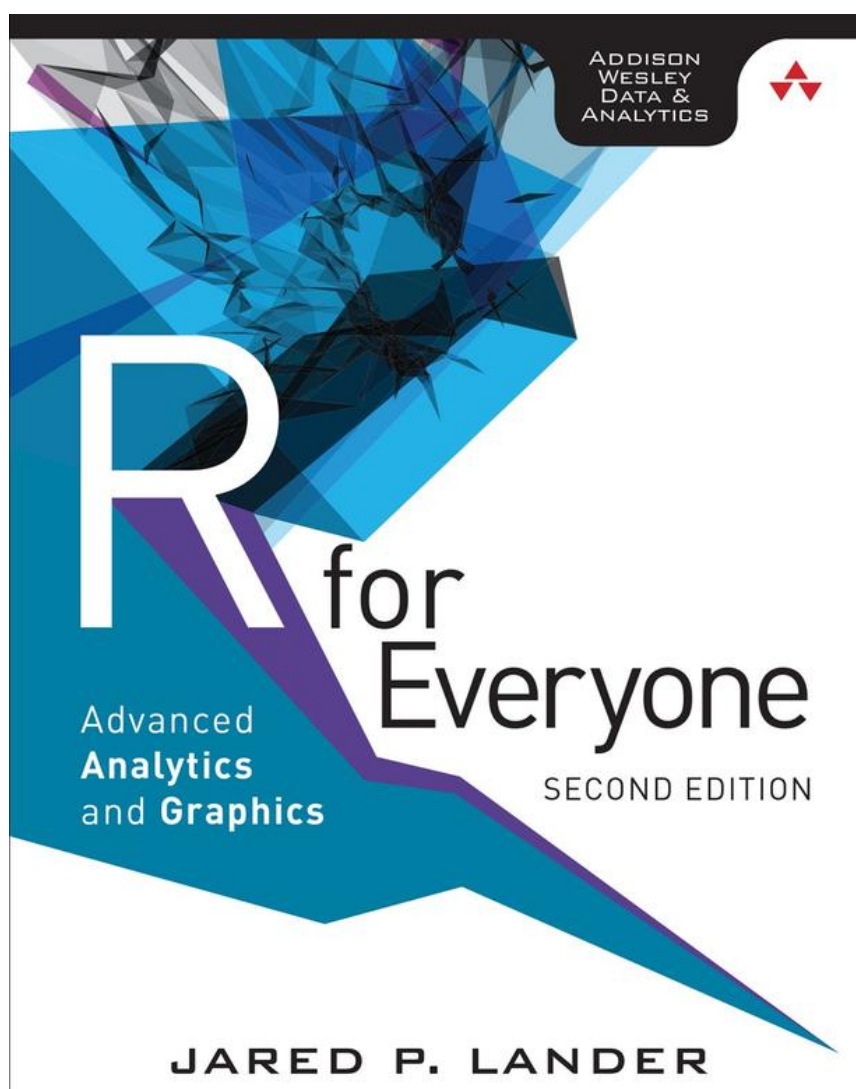
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R Conference | New York 2020 Speakers!

August 14-15, 2020

ARt Auction

Featuring pieces by artists in the R Community. All proceeds will be donated to the **R Foundation**.

Visit **rstats.ai/auction** to browse artwork, register, and place bids!



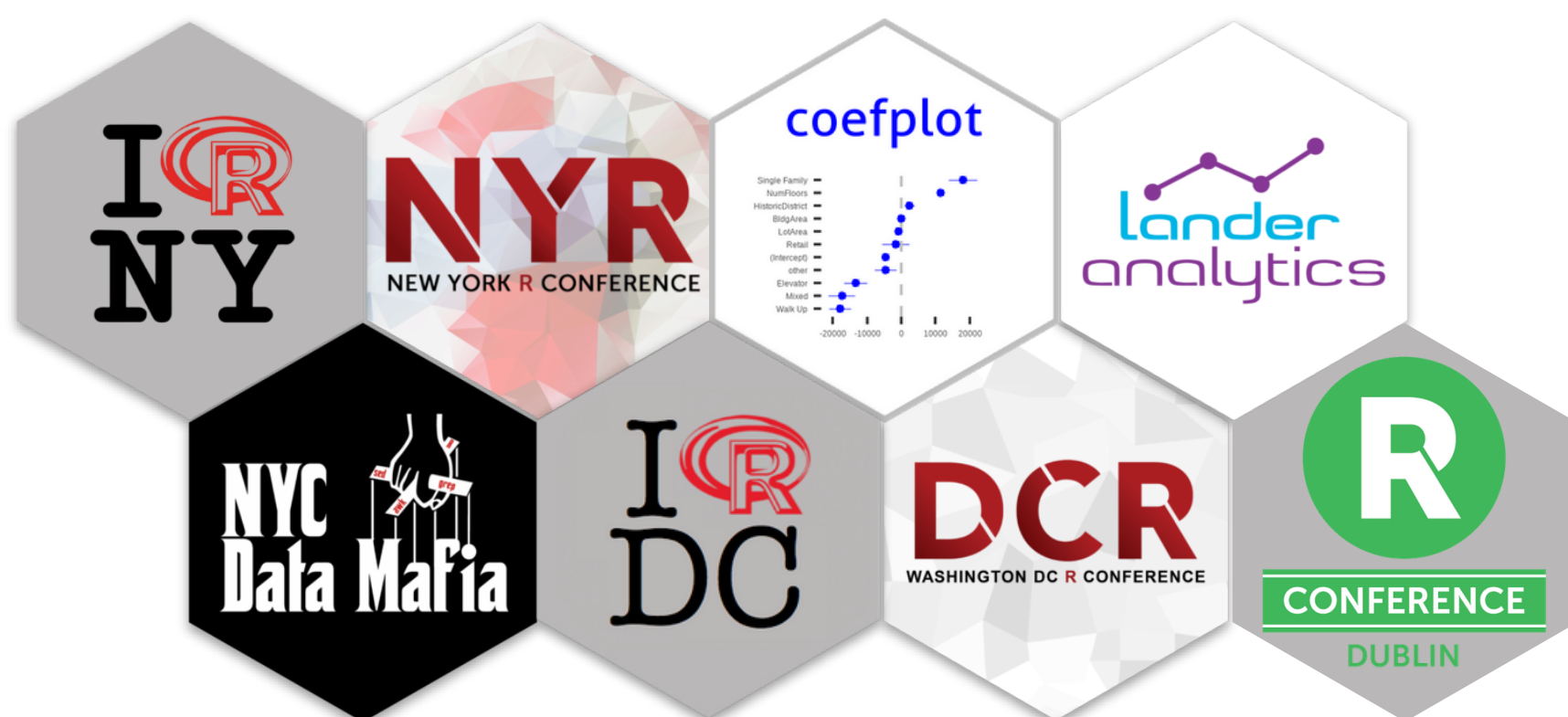
Lots by (1) Danielle Oberdier, (2) Jacqueline Nolis (designed by Allison Horst), (3) Thomas Levine, (4) Vivian Peng and (5) Amada Cartoons.



Lander Analytics is a full-service data science consulting firm helping clients enhance their analytical capabilities to drive value from data.

Led by Chief Data Scientist Jared P. Lander, our team is comprised of data scientists, statisticians, visual designers, published authors, professors and keynote speakers specializing in applied statistics, computer science, machine learning and AI. We are united by our shared talent and passion for rigorous data science that we leverage to meet real-world challenges.

Lander Analytics is proud to host the annual **R Conference** and to continue building the data science community.



www.landeranalytics.com



THE R CONFERENCE SERIES



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NEW YORK

August 5-6 & 12-15, 2020 (Virtual)



CONFERENCE

WASHINGTON, DC

Autumn 2020 (Virtual)



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