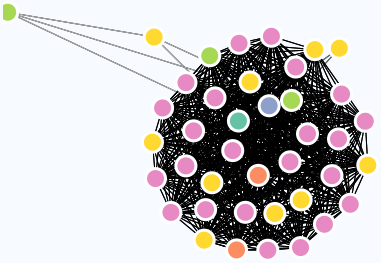
PABLO LOPEZ LANDEROS

My name is Pablo Lopez Landeros. I am curently an Applied Mathematics (C.S. Minor) undergrad student @ ITAM working on my honorable mention thesis. My interests include Artificial Intelligence, Machine Learning, and Data Visualization focused on analyzing sports data.



View this CV online with links at *C:/Users/pablo/Documents/DoctosM*

EDUCATION

2020 | 2017

B.S., Applied Mathematics (minor C.S.)

Instituto Tecnológico Autónomo de México (ITAM) — Mexico City, MX

- Current Grade Point Average: 8.6 out of 10
- Working on my undergrad thesis in developing an Expected Success Probability model for receivers in the NFL. Expect to graduate with Honorable Mention.
- Did social work for PERAJ and Crecemos Leyendo. Both were non profit organizations focused on helping public primary school students with their education.
- Participated in the ITAM Web Lab were I learned Web Design.

2020 | 2020

Vice President and Co-founder of the ITAM Sports Analytics Student Assosiation

Instituto Tecnológico Autónomo de México (ITAM) — Mexico City, MX

- Founded a student organization that gave a first approach to students intrested in sports analytics.
- Activities included: R and Python workshops, paper presentation and discussion, coding contests.

2017 | 2015

B.S., Actuarial Sciences and Finances

Anahuac University — Mexico City, MX

- Transfered after 3 semesters.
- Received Full basketball scholarship
- Two time winner of the best Grade Point Average in the generation.

2015 | 2012

High School

Modern American School (MAS) — Mexico City, MX

- Full basketball scholarship.
- Graduated with a Grade Point Average of 9 out of 10
- Participated as the president of the sports comittee for the student counseling organization during my senior year.
- Winner of the National Award “SI Somos UNAM” for Sports and Academic Merits.

2015 | 2015

Proficient English Speaker

Cambridge University — Cambridge, UK

- Proficiency certification (C2 level) by the University of Cambridge.

CONTACT

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Landeros_p33

pablolopez2733

https://pablolopez2733.github.io/

shorturl.at/fruJW

LANGUAGE SKILLS

- R
- Python
- C#
- Javascript
- HTML & CSS
- SQL
- Git

*Made with the R package **pagedown**.*

The source code is available on github.com/nstrayer/cv.

Last updated on 2020-08-21.

RESEARCH EXPERIENCE

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NA

NA

NA

NA

NA

INDUSTRY EXPERIENCE

current | 2020

Data and Statistical analysis for MAS high school basketball team.

Modern American School (MAS)

Mexico City, MX

- Kept track of in game statistics for a high school level basketball team that participated in a national championship.
- I worked with R and Python to present data visualization and reports that helped the coaches improve the team's performance.

2020 | 2019

Data Analysis Intern

KPMG Mexico

KPMG Mexico

- Most of the work I did consisted on visualizing data for the Information Security Department. My job was to present data related to the potential Information Security threats in a way that people outside of the IT department could understand.
- Automated tasks and reports with Python and Excel

I have worked in a variety of roles ranging from individual math and coding classes to visualizing Information Security risk related data at an international consulting firm. I like collaborative environments where I can learn from my peers.

TEACHING EXPERIENCE

current | 2017

Individual math counseling and coding classes for students from middle school to college levels.

Mexico City, MX

- Middle school students: basic math and algebra classes
- High school: Chemistry, Physics, Math, Computer Science. Individual Object Oriented Programming coding classes.
- College: Calculus 1 and 2, introductory math modules.

I am passionate about sports. I believe that data driven decisions in sports are the future of this industry inside and outside of the court.

SELECTED DATA SCIENCE WRITING

current | 2020

Founder and writer for 9plus6.

9plus6.com

Mexico City, MX

- 9plus6 is an online website dedicated to publishing sports related content that goes beyond the journaling standards.
- My contributions are primarily focused on analyzing sports data. Particularly for the NFL and NBA.

I regularly publish data science related content focused on sports analytics.

SELECTED PRESS (ABOUT)

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## coercing
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NA

NA

NA

NA

NA

SELECTED PRESS (BY)

2016 | 2016

A Trail of Terror in Nice, Block by Block[5]

The New York Times

- Led research effort to put together story of 2016 terrorist attack in Nice, France in less than 12 hours.
- Work won Silver medal at Malofiej 2017, and gold at Society of News and Design.

SELECTED PUBLICATIONS, POSTERS, AND TALKS

2020

Building a software package in tandem with machine learning methods research can result in both more rigorous code and more rigorous research

ENAR 2020

- Invited talk in Human Data Interaction section.
- How and why building an R package can benefit methodological research

2020

Stochastic Block Modeling in R, Statistically rigorous clustering with rigorous code[6]

RStudio::conf 2020

- Invited talk about new sbmR package[7].
- Focus on how software development and methodological research can improve both benefit when done in tandem.

2020

PheWAS-ME: A web-app for interactive exploration of multimorbidity patterns in PheWAS[8]

MedRXiv

- Manuscript detailing application for the exploration of multimorbidity patterns in PheWAS analyses
- See landing page[9] for more information.

2019 | 2019

Charge Reductions Associated with Shortening Time to Recovery in Septic Shock[10]

Chest

- Authored with Wesley H. Self, MD MPH; Dandan Liu, PhD; Stephan Russ, MD, MPH; Michael J. Ward, MD, PhD, MBA; Nathan I. Shapiro, MD, MPH; Todd W. Rice, MD, MSc; Matthew W. Semler, MD, MSc.

2019 | 2019

Multimorbidity Explorer | A shiny app for exploring EHR and biobank data[11]

RStudio::conf 2019

- Contributed Poster. Authored with Yaomin Xu.

2019 | 2019

Taking a network view of EHR and Biobank data to find explainable multivariate patterns[12]

Vanderbilt Biostatistics Seminar Series

- University wide seminar series.

2019

Patient-specific risk factors independently influence survival in Myelodysplastic Syndromes in an unbiased review of EHR records

Under-Review (copy available upon request.)

- Bayesian network analysis used to find novel subgroups of patients with Myelodysplastic Syndromes (MDS).
- Analysis done using method built for my dissertation.

2019

Patient specific comorbidities impact overall survival in myelofibrosis

Under-Review (copy available upon request.)

- Bayesian network analysis used to find robust novel subgroups of patients with given genetic mutations.
- Analysis done using method built for my dissertation.

2018 | 2018

R timelineViz: Visualizing the distribution of study events in longitudinal studies

Under-Review (copy available upon request.)

- Authored with Alex Sunderman of the Vanderbilt Department of Epidemiology.

2017 | 2017

Continuous Classification using Deep Neural Networks[13]

Vanderbilt Biostatistics Qualification Exam

- Review of methods for classifying continuous data streams using neural networks
- Successfully met qualifying examination standards

2015 | 2015

Asymmetric Linkage Disequilibrium: Tools for Dissecting Multiallelic LD

Journal of Human Immunology

- Authored with Richard Single, Vanja Paunic, Mark Albrecht, and Martin Maiers.

2015 | 2015

An Agent Based Model of Mysis Migration[14]

International Association of Great Lakes Research Conference

- Authored with Brian O'Malley, Sture Hansson, and Jason Stockwell.

2015 | 2015

Declines of Mysis diluviana in the Great Lakes

Journal of Great Lakes Research

- Authored with Peter Euclide and Jason Stockwell.

LINKS

1: NA
2: NA
3: NA
4: NA
5: https://www.nytimes.com/interactive/2016/07/14/world/europe/trail-of-terror-france.html
6: http://nickstrayer.me/rstudioconf_sbm
7: https://tbilab.github.io/sbmR/
8: https://www.medrxiv.org/content/10.1101/19009480v4
9: https://prod.tbilab.org/phewas_me_info/
10: https://www.ncbi.nlm.nih.gov/pubmed/30419234
11: http://nickstrayer.me/rstudioconf19_me-poster/
12: http://nickstrayer.me/biostat_seminar/
13: http://nickstrayer.me/qualifying_exam/
14: https://www.semanticscholar.org/paper/An-Agent-Based-Model-of-the-Diel-Vertical-Migration-Strayer-Stockwell/40493c78e8ecf22bd882d17ec99fd913ec4b9820