

# Kevin Dang

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## SKILLS

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**Languages** Python, R, SQL, SAS, Stata, VBA, HTML, CSS  
**Software/Tools** PowerBI, Tableau, Excel, ArcGIS, GitHub, LaTeX

## EXPERIENCE

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### Teaching Assistant

UNIVERSITY OF TORONTO

Sep. 2021 - Present

Toronto, ON

- Lead tutorials and office hours for undergraduate statistics courses to solidify understanding of analytical concepts

### Business Intelligence Analyst

EXPORT DEVELOPMENT CANADA

Jun. 2020 - Present

Ottawa, ON

- Implemented **logistic regression** and **random forest classifiers** to predict client retention and conversion for EDC insurance products within a specified timeframe
- Performed **exploratory data analysis** on customer retention and conversion rates, working with the **tidyverse** in RStudio to create data visualizations and tables for the Senior Data Scientist
- **Created dashboards in PowerBI** and Excel to provide summaries of targets and results for senior management and clients
- Produced weekly financing reports and automated multiple steps by using macros, functions (**vlookup, index & match**) and running **SAS EG** projects & process flows
- **Mentored and provided guidance** to new interns, ensuring a seamless transition into their new role

### Medical Data Analyst

GLOBALDATA PLC

Sep. 2020 - Sep. 2021

Toronto, ON

- **Automated** multiple steps for a **global medical device pricing tool**, including data cleaning & **winsorization in Python**, **pivot tables & macros** in Excel, reducing analyst hours by more than **50%**
- **Utilized Pandas in Jupyter Notebook** to create a **data pipeline** for multiple medical device markets in the pricing tool, increased production speed and contributed a new methodology to the team
- Performed frequent health checks on the **Medical Intelligence Centre** and core databases to ensure that clients have access to the most accurate and latest information
- **Wrote articles and press releases** about topics related to the medical device industry to promote GlobalData's profile and capture the attention of news outlets

### Data Analyst & Statistical Consultant

UNIVERSITY OF TORONTO

Sep. 2019 - Jun. 2020

Toronto, ON

- Spearheaded data analysis portion of research project about agriculture worker wages led by **Dr. Greg Distelhorst** and took on a data analysis project for a management consulting firm
- Performed **data cleaning, wrangling and visualization** on millions of rows of data using **dplyr, tidyr, ggplot2**, with technical details and explanations geared towards a non-technical client
- Analyzed differences between groups using **ANOVA** to determine whether agriculture workers were fairly compensated
- Used **linear regression** models to answer business problems relating to the management consulting firm's health platform
- Built a **data pipeline** in **RStudio** which took raw datasets as inputs to produce a consolidated file that is ready for analysis

### Research Assistant

ROTMAN SCHOOL OF MANAGEMENT

May 2018 - Aug. 2019

Toronto, ON

- Worked with **Dr. Chris Liu** and a team of graduate students on projects about scientific publications and careers
- Obtained access to the **Scopus RESTful API** using **pybliometrics** (a Python-based API-Wrapper), built a **data pipeline** in Jupyter Notebook using **Pandas dataframes** and extracted datasets after reshaping and joining dataframes
- Manipulated and merged large datasets in **Stata**, extracted desired information, cleaned data and generated new variables

## EDUCATION

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### University of Toronto

MASTER OF SCIENCE

2021 - 2022 (Expected)

- **Biostatistics**

HONOURS BACHELOR OF SCIENCE

2016 - 2020

- **Applied Statistics Specialist**, Mathematics Minor