

# Subhan Khalid

1030 E. Lancaster Avenue, Bryn Mawr, PA. 19010  
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linkedin.com/in/subhan-khalid/

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## Education

Villanova University, Villanova, PA

2017- **M.Sc. Applied Statistics**

19 Courses: Data Science, Statistical Methods, Regression, Statistical Programming, Survival Data Analysis, Longitudinal Data Analysis, Linear Models.

2011- Lahore University of Management Sciences (LUMS), Lahore, Pakistan

15 **B.Sc. Economics** (Minor in Mathematics)

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## Work Experience

Propensity4, Berwyn, PA

01/19- Data Analyst

- 03/19 • SAS programming: data cleaning, manipulation, validation, integration & analysis.
- Experience working with longitudinal claims data and large healthcare datasets.
- 05/19- • Market segmentation and customer targeting for new drug launch.
- present • Sales force optimization & territory alignment using Align Star for pharma reps.
- Forecasting & trend analysis of drugs and brands already in the market.
- Tracking monthly metrics & performance of biologics and other drugs.
- Loading big data onto spark cluster using pyspark.

Comcast Cable Corporation, West Chester, PA

04/18- **Arcadia Team** – Big Data, Spark Developer – Co-op Intern

- 08/18 • Learning about Comcast Data Architecture and Data Warehousing methods.
- Data ingestion using DIFA framework.
- Deployment in development, stage, and production environments.
- Experience with big data on Hadoop, Oracle, Spartan database and cloud based storage.
- Hands on experience of SQL, Hive, Automic, Spark, UNIX, Presto and Teradata.
- Experience with data lineages and data profiling.
- Working with big data scientists to deliver quality solutions and detailed designs.
- Rigorous delivery practices managed under an agile software development approach.

Center for Economic Research in Pakistan (CERP), Lahore, Pakistan

12/15- **Asset Transfer Program, Evidence Based Procurement Reform (EBPR)** – Research Assistant

07/17 *Principal Investigators: Oriana Bandiera (London School of Economics), Michael Best (Stanford University), Imran Rasul (University College London).*

- Analysis of longitudinal data, rigorous data cleaning.
- Assessing impact of interventions on household indicators, synthesizing results for principal investigators.
- Technical reports for project funding and grants.
- Sampling, experimental design, impact evaluation of treatment against control group.
- Creation of Punjab online procurement system on SQL database.
- Leading capacity building sessions for Government officials.
- Implementation and roll-out of project interventions and policies, liaison with the Government.

### Child Health and Nutrition Program (Part Time)

- Data analysis on childhood development and malnourishment for World Health Organization (WHO).
  - Setting up RCT on neonatal care and improving child and mother health delivery systems.
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## Technical

- Programming: R, SAS, SQL, STATA & Python.

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## Leadership

- Graduate student ambassador for Villanova University.
  - Leader for quantitative and qualitative data collection field teams at CERP.
  - Gold medal at LUMS national soccer championship.
  - Management: acquired leadership, communication, analytical and negotiation skills.
  - Innovation, data management, data integration, capacity building, partnership development, relationship management, finding solutions.
  - Part of Villanova Judo Club
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