**Data Analytics:**

It describes a series of techniques aimed at extracting the relevant and valuable information from extensive and diverse sets of data gathered from different sources and sizes

**Predictive Policing:**

Use of algorithms to analyze enormous amounts of information in order to predict and help prevent potential future crimes

* **Place-based predictive policing:** Uses preexisting crime data to identify places and times that have a high risk of crime
* **Person-based predictive policing:** Attempts to identify individuals or groups who are likely to commit a crime by analyzing for risk factors such as past arrests or victimization patterns

Predictive policing does not replace conventional policing methods (e.g. problem-oriented policing, intelligence-led policing, or hotspot policing) but enhances these traditional practices by applying advanced statistical models and algorithms

**How might Data Analytics improve policing?**

* More effectively deploying resources based on data analytics and Increasing the speed and accuracy of report preparation and evidence handling
* The use of statistical models can be of immense value for reducing crime and ensuring the safety in cities
* Analytics can identify trends to improve operational effectiveness and efficiency
* Using a broad variety of sorts of data for Proactive policing can help stop crime before it happens
* With the help of User, Fingerprints, Video, Audio, and Geospatial Data, one can help, prevent, and predict from the happening of crime

**How might it hurt Policing? What ethical issues might be raised by Predictive Policing?**

* Data Privacy and Accountability problems might occur with lack of understanding and proper usage
* Too much of reliance on predictive algorithms may open doors to ethical, racial, and religious issues
* The predictive models will be biased, outdated, and present skewness if the existing models are not well evaluated, assessed, and utilized with real-time and practical insights.
* Too much emphasis on correlations

**References:**

* **The Role of Data Analytics in Predictive Policing**

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* **Predictive Policing: The Role of Crime Forecasting in Law Enforcement Operations**

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