The focus of crime hotspot prediction is to forecast future concentration of criminal events in a geographical space. Theoretical criminology provides the necessary theoretical basis. Specifically, several related criminological theories not only provide guidance for us to understand the important influence of location factors in the formation and aggregation of criminal events, but also provide a basic mechanism for the police to use information of crime hot spots for crime prevention or control. It mainly includes routine activity theory, rational choice theory, and crime patterns theory. Datasets are available in Kaggle.com