# CSA LIQUOR STORE THEFT CHALLENGE – DATASET INFORMATION

### BUSINESS INTELLIGENCE PRODUCTION SECTION AND CRIME ANALYSIS SECTION

### EDMONTON POLICE SERVICE

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# Contents

# 1.0  Assumptions and Limitations

- The dataset ranges from Jan 1, 2015 to Dec 31, 2019.
- The datasets only account for reported occurrences, received by Feb 26, 2020.  Any occurrences received after Feb 26, 2020 are excluded.
- Liquor store thefts or robbery occurrences were only identified using the information available in the Records Management System (RMS).
- Liquor store locations in our RMS are generated using the City of Edmonton address points and may not align with Alberta Gaming, Liquor, and Cannabis (AGLC) locations.
-  The liquor store theft and robbery dataset may not match third-party data sources.
- Each occurrence accounts for only one offence.
- Crime occurrences consists of Nuisance, Property, and Violence type offences. Assaults, homicides, and sexual offences were removed.
- Crime Occurrences, excluding the liquor store theft and robbery occurrences, are only within a 100-meter radius around the liquor store locations and are aggregated to the address of the liquor store.
- If a crime occurrence is within a 100-meter radius of more than one liquor store, a record is created for each liquor store ID.

# 2.0 Data Dictionary

## 1. Theft and Robbery Liquor Store Occurrences Dataset

**File Number:** The unique identifier of the incident of theft or robbery (theft with violence).
**Occurrence Date:** The date the theft or robbery occurred in the format YYYY-MM-DD.
**Occurrence Year:** The year the theft or robbery occurred. The years ranges from 2015 to 2019.
**Occurrence Month Number:** The month number the theft or robbery occurred. The month number is between 1 and 12.
**Occurrence Day Number:** The day of the month the theft or robbery occurred. The day number is between 1 and 31.
**Occurrence Week Day Number:** The day of the week the theft or robbery occurred. The week day number is between 1 and 7, where 1 is Monday and 7 is Sunday.
**Occurrence Week Day Name:** The name of the day of the week the theft or robbery occurred, Monday to Sunday.
**Occurrence Time Block:** The time block that the theft or robbery occurred. Time blocks are broken into 4-hour blocks starting at midnight (12:00AM).
**Type of Occurrence:** The type of occurrence, either theft or robbery.
**Street Address:** The address where the theft or robbery occurred.
**Liquor Store ID:** The unique identifier of the liquor store.
**Latitude:** The latitude coordinate in the geographic coordinate system of WGS 1984.
**Longitude:** The longitude coordinate in the geographic coordinate system of WGS 1984.

## 2. All Occurrences Within 100m Liquor Store Dataset

**File Number:** The unique identifier of the incident of occurrence.
**Occurrence Date:** The date of the occurrence in the format YYYY-MM-DD.
**Occurrence Year:** The year of the occurrence. The years ranges from 2015 to 2019.
**Occurrence Month Number:** The month number of the occurrence. The month number is between 1 and 12.
**Occurrence Day Number:** The day of the month of the occurrence. The day is a number between 1 and 31.
**Occurrence Week Day Number:** The day of the week of the occurrence. The week day is a number between 1 and 7, where 1 is Monday and 7 is Sunday.
**Occurrence Week Day Name:** The name of the day of the week of the occurrence, Monday to Sunday.
**Type of Occurrence:** The type of occurrence, either nuisance, property, or violence.
**Liquor Store ID:** The unique identifier of the liquor store that is within a 100-meter radius of the occurrence.

## 3. Liquor Store Locations Dataset

**Liquor Store ID:** The unique identifier of the liquor store.
**Street Address:** The address of the liquor store based on the RMS.
**Latitude:** The latitude coordinate in the geographic coordinate system of WGS 1984.
**Longitude:** The longitude coordinate in the geographic coordinate system of WGS 1984.