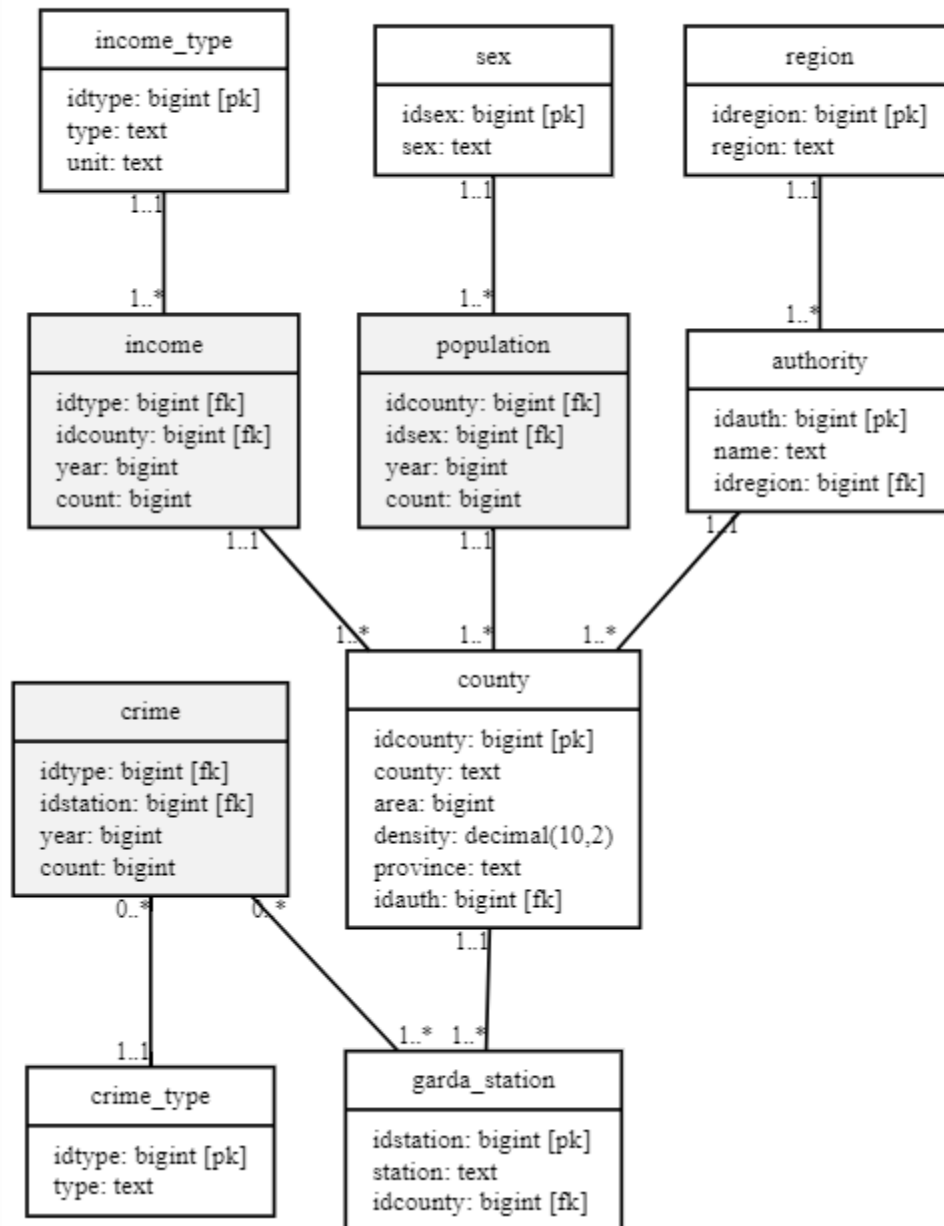


CA1 - DATA ARCHITECTURE



Graphviz Code

```
digraph Couriers {
    labelloc="t";
    label="CA1 - DATA ARCHITECTURE\n\n";
    fontname = "Bitstream Vera Sans"
    fontsize = 12

    node [
        fontname = "Bitstream Vera Sans"
        fontsize = 8
        shape = "record"]

    edge [
        arrowtail = "none"
        arrowhead = "none"
        fontsize = 7]

    CRIME[
        label = "{crime|idtype: bigint [fk]\\l idstation: bigint [fk]\\l year: bigint\\l count: bigint\\l}",
        style=filled,
        fillcolor=gray95]

    CRIME_TYPE[label = "{crime_type|idtype: bigint [pk]\\l type: text\\l}"]

    GARDA_STATION[label = "{garda_station|idstation: bigint [pk]\\l station: text\\l idcounty: bigint [fk]\\l}"]

    INCOME[
        label = "{income|idtype: bigint [fk]\\lidcounty: bigint [fk]\\l year: bigint\\l count: bigint\\l}"
        style=filled, fillcolor=gray95]

    INCOME_TYPE[
        label = "{income_type| idtype: bigint [pk]\\l type: text\\l unit: text \\l}"]

    POPULATION[
        label = "{population| idcounty: bigint [fk]\\lidsex: bigint [fk]\\l year: bigint\\l count: bigint\\l}"
        style=filled, fillcolor=gray95]

    COUNTY[label = "{county|idcounty: bigint [pk]\\l county: text\\l area: bigint\\ldensity: decimal(10,2)\\l province: text\\lidauth: bigint [fk]\\l}"]

    AUTHORITY[label = "{authority|idauth: bigint [pk]\\l name: text\\lidregion: bigint [fk]}"]

    REGION[label = "{region|idregion: bigint [pk]\\l region: text\\l}"]

    SEX[label = "{sex|idsex: bigint [pk]\\l sex: text\\l}"]

    edge[headlabel = "1..1"
        taillabel = "0..*"]
    CRIME -> CRIME_TYPE

    edge[ headlabel = "1..*"
        taillabel = "0..*"]
    CRIME -> GARDA_STATION

    edge [headlabel = "1..*"
        taillabel = "1..1"]
    COUNTY -> GARDA_STATION
    INCOME -> COUNTY
    POPULATION -> COUNTY
    INCOME_TYPE -> INCOME
    SEX -> POPULATION
    REGION -> AUTHORITY
    AUTHORITY -> COUNTY
}
```