Appendix B: Query Documentation

Crash Level Query (for 2001)

CREATE OR REPLACE
ALGORITHM = UNDEFINED
VIEW `cview2001`
CASE
WHEN CSeverity = '1' THEN 1
WHEN CSeverity = '2' THEN 2
WHEN CSeverity = '3' THEN 2
WHEN CSeverity = '4' THEN 2
WHEN CSeverity = '5' THEN 3
END AS SevGroup1,
CASE
WHEN CSeverity = '1' THEN 1
WHEN CSeverity = '2' THEN 1
WHEN CSeverity = '3' THEN 2
WHEN CSeverity = '4' THEN 2
WHEN CSeverity = '5' THEN 3
END AS SevGroup2,
CASE WHEN CSeverity = '1' THEN 1 ELSE 0 END As Severity1,
CASE WHEN CSeverity = '2' THEN 1 ELSE 0 END As Severity2,
CASE WHEN CSeverity = '3' THEN 1 ELSE 0 END As Severity3,
CASE WHEN CSeverity = '4' THEN 1 ELSE 0 END As Severity4,
CASE WHEN CSeverity = '5' THEN 1 ELSE 0 END As Severity5,
CASE WHEN CSeverity = '5' THEN 1 ELSE 0 END As NoInjury,
CASE WHEN CSeverity = '1' OR CSeverity = '2' OR CSeverity = '3' OR CSeverity = '4' THEN 1 ELSE 0 END As Injury,
CASE WHEN CSeverity = '1' THEN 1 ELSE 0 END As Fatality,
CASE WHEN CSeverity = '2' OR CSeverity = '3' OR CSeverity = '4' THEN 1 ELSE 0 END As NFInjury,
CASE WHEN CSeverity = '1' OR CSeverity = '2' THEN 1 ELSE 0 END As MajorInjury,
CASE WHEN CSeverity = '3' OR CSeverity = '4' THEN 1 ELSE 0 END As MinorInjury,
CASE
When DrugAlcRel = '1' Then '1'
When DrugAlcRel = '4' Then '1'
When DrugAlcRel = '5' Then '1'
Else '0'
END as Drug,
CASE
When DrugAlcRel = '2' Then '1'
When DrugAlcRel = '3' Then '2'
When DrugAlcRel = '4' Then '1'
When DrugAlcRel = '5' Then '2'
Else '0'
END as Alcohol,
CASE
When DrugAlcRel = '6' Then '1'
When DrugAlcRel = '7' Then '1'
Else '0'
END as DAOther,
CASE
When DrugAlcRel = '8' Then '1'
Else '0'
END as DANone,
CASE
When FirstHarm >= 10 and FirstHarm < 20 Then '1'
Else '0'
END as NonColl,
CASE
    WHEN FirstHarm >= 20 AND FirstHarm < 30 THEN '1'
    ELSE '0'
END as Collision,
CASE
    WHEN FirstHarm >= 30 AND FirstHarm < 50 THEN '1'
    ELSE '0'
END as CFixedObject,
CASE
    WHEN FirstHarm >= 50 THEN '1'
    ELSE '0'
END as FHOther,
MajorCause, DayOfMonth,
CASE When RuralUrban LIKE 'R' THEN 1 ELSE 0 END As Rural,
CASE When RuralUrban LIKE 'U' THEN 1 ELSE 0 END As Urban,
CASE When RuralUrban LIKE 'NR' THEN 1 ELSE 0 END As RUNR,
TimeBin, System,
CASE When Paved = '1' THEN 1 ELSE 0 END As PavedRoad,
CASE WHEN Paved = '2' THEN 1 ELSE 0 END As UnpavedRoad,
CASE WHEN Weather1 = '1' OR Weather2 = '1' THEN 1 ELSE 0 END Weather1,
CASE WHEN Weather1 = '2' OR Weather2 = '2' THEN 1 ELSE 0 END Weather2,
CASE WHEN Weather1 = '3' OR Weather2 = '3' THEN 1 ELSE 0 END Weather3,
CASE WHEN Weather1 = '4' OR Weather2 = '4' THEN 1 ELSE 0 END Weather4,
CASE WHEN Weather1 = '5' OR Weather2 = '5' THEN 1 ELSE 0 END Weather5,
CASE WHEN Weather1 = '6' OR Weather2 = '6' THEN 1 ELSE 0 END Weather6,
CASE WHEN Weather1 = '7' OR Weather2 = '7' THEN 1 ELSE 0 END Weather7,
CASE When Weather1 = '8' OR Weather2 = '8' THEN 1 ELSE 0 END Weather8,
CASE WHEN Weather1 = '9' OR Weather2 = '9' THEN 1 ELSE 0 END Weather9,
CASE WHEN Weather1 = '10' OR Weather2 = '10' THEN 1 ELSE 0 END Weather10,
CASE WHEN Weather1 > '10' THEN 1 ELSE 0 END WeatherOth,
Light, CSurfCond,
IFNULL(zwkz_2001.WZ_Related, 2) As WZ_Related FROM zcta_2001

Person Level Query (for 2001)
Organized by Summing the Union of the GroupBys of each Table because they are similar enough and because you can't union things that have been GroupedBy outside of a subquery.

CREATE OR REPLACE
ALGORITHM = UNDEFINED
VIEW 'upview2001'
AS SELECT Crash_Key,
SUM(CASE WHEN InjuredAge < '18' THEN 1 ELSE 0 END) PAgeBin1,
SUM(CASE WHEN InjuredAge < '70' AND InjuredAge >= '18' OR InjuredAge = '99' THEN 1 ELSE 0 END) PAgeBin2,
SUM(CASE WHEN InjuredAge >= '70' AND InjuredAge < '99' THEN 1 ELSE 0 END) PAgeBin3,
IFNULL(SUM(CASE WHEN Seating >= '2' AND Seating <= '3' THEN 1 ELSE 0 END),0) as FSeat,
IFNULL(SUM(CASE WHEN Seating >= '4' AND Seating <= '9' THEN 1 ELSE 0 END),0) as BSeat,
IFNULL(SUM(CASE WHEN Seating = '1' THEN 1 ELSE 0 END),0) as Seating1,
IFNULL(SUM(CASE WHEN Seating = '2' THEN 1 ELSE 0 END),0) as Seating2,
IFNULL(SUM(CASE WHEN Seating = '3' THEN 1 ELSE 0 END),0) as Seating3,
IFNULL(SUM(CASE WHEN Seating = '4' THEN 1 ELSE 0 END),0) as Seating4,
IFNULL(SUM(CASE WHEN Seating = '5' THEN 1 ELSE 0 END),0) as Seating5,
IFNULL(SUM(CASE WHEN Seating = '6' THEN 1 ELSE 0 END),0) as Seating6,
IFNULL(SUM(CASE WHEN Seating = '7' THEN 1 ELSE 0 END),0) as Seating7,
IFNULL(SUM(CASE WHEN Seating = '8' THEN 1 ELSE 0 END),0) as Seating8,
IFNULL(SUM(CASE WHEN Seating = '9' THEN 1 ELSE 0 END),0) as Seating9,
IFNULL(SUM(CASE WHEN Seating = '10' THEN 1 ELSE 0 END),0) as Seating10,
IFNULL(SUM(CASE WHEN Seating = '11' THEN 1 ELSE 0 END),0) as Seating11,
IFNULL(SUM(CASE WHEN Seating = '12' THEN 1 ELSE 0 END),0) as Seating12,
IFNULL(SUM(CASE WHEN Seating = '13' THEN 1 ELSE 0 END),0) as Seating13,
IFNULL(SUM(CASE WHEN Seating = '14' THEN 1 ELSE 0 END),0) as Seating14,
IFNULL(SUM(CASE WHEN Seating = '15' THEN 1 ELSE 0 END),0) as Seating15,
IFNULL(SUM(CASE WHEN Seating = '16' THEN 1 ELSE 0 END),0) as Seating16,
IFNULL(SUM(CASE WHEN Seating = '17' THEN 1 ELSE 0 END),0) as Seating17,
IFNULL(SUM(CASE WHEN Seating >= '77' THEN 1 ELSE 0 END),0) as SeatingOth,
IFNULL(SUM(CASE WHEN OccProtect = '1' THEN 1 ELSE 0 END),0) as OccProcNone,
IFNULL(SUM(CASE WHEN OccProtect = '2' THEN 1 ELSE 0 END),0) as OccProc1,
IFNULL(SUM(CASE WHEN OccProtect = '3' THEN 1 ELSE 0 END),0) as OccProc2,
IFNULL(SUM(CASE WHEN OccProtect = '4' THEN 1 ELSE 0 END),0) as OccProc3,
IFNULL(SUM(CASE WHEN OccProtect = '5' THEN 1 ELSE 0 END),0) as OccProc4,
IFNULL(SUM(CASE WHEN OccProtect = '6' THEN 1 ELSE 0 END),0) as OccProc5,
IFNULL(SUM(CASE WHEN OccProtect >= '8' THEN 1 ELSE 0 END),0) as OccProcOth,
IFNULL(SUM(CASE WHEN Ejection = '1' THEN 1 ELSE 0 END),0) as EjectNot,
IFNULL(SUM(CASE WHEN Ejection = '2' THEN 1 ELSE 0 END),0) as EjectPart,
IFNULL(SUM(CASE WHEN Ejection = '3' THEN 1 ELSE 0 END),0) as EjectFull,
IFNULL(SUM(CASE WHEN Ejection >= '4' THEN 1 ELSE 0 END),0) as EjectOth,
IFNULL(SUM(CASE WHEN EjectPath = '1' THEN 1 ELSE 0 END),0) as EjectP1,
IFNULL(SUM(CASE WHEN EjectPath = '2' THEN 1 ELSE 0 END),0) as EjectP2,
IFNULL(SUM(CASE WHEN EjectPath = '3' THEN 1 ELSE 0 END),0) as EjectP3,
IFNULL(SUM(CASE WHEN EjectPath = '4' THEN 1 ELSE 0 END),0) as EjectP4,
IFNULL(SUM(CASE WHEN EjectPath = '5' THEN 1 ELSE 0 END),0) as EjectP5,
IFNULL(SUM(CASE WHEN EjectPath >= '9' THEN 1 ELSE 0 END),0) as EjectPOth,
IFNULL(SUM(CASE WHEN AirbagDep = '1' THEN 1 ELSE 0 END),0) as AirDep1,
IFNULL(SUM(CASE WHEN AirbagDep = '2' THEN 1 ELSE 0 END),0) as AirDep2,
IFNULL(SUM(CASE WHEN AirbagDep = '3' THEN 1 ELSE 0 END),0) as AirDep3,
IFNULL(SUM(CASE WHEN AirbagDep = '4' THEN 1 ELSE 0 END),0) as AirDep4,
IFNULL(SUM(CASE WHEN AirbagDep = '5' THEN 1 ELSE 0 END),0) as AirDep5,
IFNULL(SUM(CASE WHEN AirbagDep >= '9' THEN 1 ELSE 0 END),0) as AirDepOth,
IFNULL(SUM(CASE WHEN Trapped = '1' THEN 1 ELSE 0 END),0) as TrapNot,
IFNULL(SUM(CASE WHEN Trapped = '2' THEN 1 ELSE 0 END),0) as TrapNonMech,
IFNULL(SUM(CASE WHEN Trapped = '3' THEN 1 ELSE 0 END),0) as TrapMech,
IFNULL(SUM(CASE WHEN Trapped >= '9' THEN 1 ELSE 0 END),0) as TrapOth
FROM zinj_2001
Group By Crash_Key
UNION ALL

SELECT Crash_Key,
SUM(CASE WHEN InjuredAge < '18' THEN 1 ELSE 0 END) PAgeBin1,
SUM(CASE WHEN InjuredAge < '70' AND InjuredAge >= '18' OR InjuredAge = '99' THEN 1 ELSE 0 END) PAgeBin2,
SUM(CASE WHEN InjuredAge >= '70' THEN 1 ELSE 0 END) PAgeBin3,
IFNULL(SUM(CASE WHEN Seating >= '2' AND Seating <= '3' THEN 1 ELSE 0 END),0) as FSeat,
IFNULL(SUM(CASE WHEN Seating >= '4' AND Seating <= '9' THEN 1 ELSE 0 END),0) as BSeat,
IFNULL(SUM(CASE WHEN Seating = '1' THEN 1 ELSE 0 END),0) as Seating1,
IFNULL(SUM(CASE WHEN Seating = '2' THEN 1 ELSE 0 END),0) as Seating2,
IFNULL(SUM(CASE WHEN Seating = '3' THEN 1 ELSE 0 END),0) as Seating3,
IFNULL(SUM(CASE WHEN Seating = '4' THEN 1 ELSE 0 END),0) as Seating4,
IFNULL(SUM(CASE WHEN Seating = '5' THEN 1 ELSE 0 END),0) as Seating5,
IFNULL(SUM(CASE WHEN Seating = '6' THEN 1 ELSE 0 END),0) as Seating6,
IFNULL(SUM(CASE WHEN Seating = '7' THEN 1 ELSE 0 END),0) as Seating7,
IFNULL(SUM(CASE WHEN Seating = '8' THEN 1 ELSE 0 END),0) as Seating8,
IFNULL(SUM(CASE WHEN Seating = '9' THEN 1 ELSE 0 END),0) as Seating9,
IFNULL(SUM(CASE WHEN Seating = '10' THEN 1 ELSE 0 END),0) as Seating10,
IFNULL(SUM(CASE WHEN Seating = '11' THEN 1 ELSE 0 END),0) as Seating11,
IFNULL(SUM(CASE WHEN Seating = '12' THEN 1 ELSE 0 END),0) as Seating12,
IFNULL(SUM(CASE WHEN Seating = '13' THEN 1 ELSE 0 END),0) as Seating13,
CREATE OR REPLACE
ALGORITHM = UNDEFINED
VIEW `pview2001`
AS SELECT Crash_Key,
SUM(PAgeBin1) As PAgeBin1,
SUM(PAgeBin2) As PAgeBin2,
SUM(PAgeBin3) As PAgeBin3,
SUM(FSeat) As FSeat,
SUM(BSeat) As BSeat,
SUM(Seating1) As Seating1,
SUM(Seating2) As Seating2,
SUM(Seating3) As Seating3,
SUM(Seating4) As Seating4,
SUM(Seating5) As Seating5,
SUM(Seating6) As Seating6,
SUM(Seating7) As Seating7,
SUM(Seating8) As Seating8,
SUM(Seating9) As Seating9,
SUM(Seating10) As Seating10,
SUM(Seating11) As Seating11,
SUM(Seating12) As Seating12,
SUM(Seating13) As Seating13,
SUM(Seating14) As Seating14,
SUM(Seating15) As Seating15,
SUM(Seating16) As Seating16,
SUM(Seating17) As Seating17,
SUM(SeatingOth) As SeatingOth,
SUM(OccProcNone) As OccProcNone,
SUM(OccProc1) As OccProc1,
SUM(OccProc2) As OccProc2,
SUM(OccProc3) As OccProc3,
SUM(OccProc4) As OccProc4,
SUM(OccProc5) As OccProc5,
SUM(OccProcOth) As OccProcOth,
SUM(EjectNot) As EjectNot,
SUM(EjectPart) As EjectPart,
SUM(EjectFull) As EjectFull,
SUM(EjectOth) As EjectOth,
SUM(EjectP1) As EjectP1,
SUM(EjectP2) As EjectP2,
SUM(EjectP3) As EjectP3,
SUM(EjectP4) As EjectP4,
SUM(EjectP5) As EjectP5,
SUM(EjectPOth) As EjectPOth,
SUM(AirDep1) As AirDep1,
SUM(AirDep2) As AirDep2,
SUM(AirDep3) As AirDep3,
SUM(AirDep4) As AirDep4,
SUM(AirDep5) As AirDep5,
SUM(AirDepOth) As AirDepOth,
SUM(TrapNot) As TrapNot,
SUM(TrapNonMech) As TrapNonMech,
SUM(TrapMech) As TrapMech,
SUM(TrapOth) As TrapOth

From upview2001
Group By Crash_key

Vehicle Level Query (for 2001)

CREATE OR REPLACE
ALGORITHM = UNDEFINED
VIEW `vview2001`
AS SELECT zdrv_2001.Crash_key,
    SUM(CASE WHEN VConfig = '1' THEN 1 ELSE 0 END) VConfig1,
    SUM(CASE WHEN VConfig = '2' THEN 1 ELSE 0 END) VConfig2,
    SUM(CASE WHEN VConfig = '3' THEN 1 ELSE 0 END) VConfig3,
    SUM(CASE WHEN VConfig = '4' THEN 1 ELSE 0 END) VConfig4,
    SUM(CASE WHEN VConfig = '5' THEN 1 ELSE 0 END) VConfig5,
    SUM(CASE WHEN VConfig = '6' THEN 1 ELSE 0 END) VConfig6,
    SUM(CASE WHEN VConfig = '7' THEN 1 ELSE 0 END) VConfig7,
    SUM(CASE WHEN VConfig = '8' THEN 1 ELSE 0 END) VConfig8,
    SUM(CASE WHEN VConfig = '9' THEN 1 ELSE 0 END) VConfig9,
    SUM(CASE WHEN VConfig = '10' THEN 1 ELSE 0 END) VConfig10,
    SUM(CASE WHEN VConfig = '11' THEN 1 ELSE 0 END) VConfig11,
    SUM(CASE WHEN VConfig = '12' THEN 1 ELSE 0 END) VConfig12,
    SUM(CASE WHEN VConfig = '13' THEN 1 ELSE 0 END) VConfig13,
    SUM(CASE WHEN VConfig = '14' THEN 1 ELSE 0 END) VConfig14,
    SUM(CASE WHEN VConfig = '15' THEN 1 ELSE 0 END) VConfig15,
    SUM(CASE WHEN VConfig = '16' THEN 1 ELSE 0 END) VConfig16,
    SUM(CASE WHEN VConfig = '17' THEN 1 ELSE 0 END) VConfig17,
    SUM(CASE WHEN VConfig = '18' THEN 1 ELSE 0 END) VConfig18,
    SUM(CASE WHEN VConfig = '19' THEN 1 ELSE 0 END) VConfig19,
    SUM(CASE WHEN VConfig = '20' THEN 1 ELSE 0 END) VConfig20,
    SUM(CASE WHEN VConfig = '21' THEN 1 ELSE 0 END) VConfig21,
SUM(CASE WHEN VConfig = '22' THEN 1 ELSE 0 END) VConfig22,
SUM(CASE WHEN VConfig >= '23' THEN 1 ELSE 0 END) VConfigOth,
SUM(CASE WHEN EmerVeh = '1' THEN 1 ELSE 0 END) EmerVeh1,
SUM(CASE WHEN EmerVeh = '2' THEN 1 ELSE 0 END) EmerVeh2,
SUM(CASE WHEN EmerVeh = '3' THEN 1 ELSE 0 END) EmerVeh3,
SUM(CASE WHEN EmerVeh = '4' THEN 1 ELSE 0 END) EmerVeh4,
SUM(CASE WHEN EmerVeh = '5' THEN 1 ELSE 0 END) EmerVeh5,
SUM(CASE WHEN EmerVeh = '6' THEN 1 ELSE 0 END) EmerVeh6,
SUM(CASE WHEN EmerVeh = '7' THEN 1 ELSE 0 END) EmerVeh7,
SUM(CASE WHEN EmerVeh >= '9' THEN 1 ELSE 0 END) EmerVehOth,
SUM(CASE WHEN EmerStatus = '1' THEN 1 ELSE 0 END) EmerYes,
SUM(CASE WHEN EmerStatus = '2' THEN 1 ELSE 0 END) EmerNo,
SUM(CASE WHEN EmerStatus >= '3' THEN 1 ELSE 0 END) EmerOth,
SUM(CASE WHEN CargoBody = '1' THEN 1 ELSE 0 END) CargoNA,
SUM(CASE WHEN CargoBody = '2' THEN 1 ELSE 0 END) TruckCargo1,
SUM(CASE WHEN CargoBody = '3' THEN 1 ELSE 0 END) TruckCargo2,
SUM(CASE WHEN CargoBody = '4' THEN 1 ELSE 0 END) TruckCargo3,
SUM(CASE WHEN CargoBody = '5' THEN 1 ELSE 0 END) TruckCargo4,
SUM(CASE WHEN CargoBody = '6' THEN 1 ELSE 0 END) TruckCargo5,
SUM(CASE WHEN CargoBody = '7' THEN 1 ELSE 0 END) TruckCargo6,
SUM(CASE WHEN CargoBody = '8' THEN 1 ELSE 0 END) TruckCargo7,
SUM(CASE WHEN CargoBody = '9' THEN 1 ELSE 0 END) TruckCargoOth,
SUM(CASE WHEN CargoBody >= '10' THEN 1 ELSE 0 END) TrailerCargo1,
SUM(CASE WHEN CargoBody = '11' THEN 1 ELSE 0 END) TrailerCargo2,
SUM(CASE WHEN CargoBody = '12' THEN 1 ELSE 0 END) TrailerCargo3,
SUM(CASE WHEN CargoBody = '13' THEN 1 ELSE 0 END) TrailerCargo4,
SUM(CASE WHEN CargoBody = '14' THEN 1 ELSE 0 END) TrailerCargo5,
SUM(CASE WHEN CargoBody = '15' THEN 1 ELSE 0 END) TrailerCargo6,
SUM(CASE WHEN CargoBody = '16' THEN 1 ELSE 0 END) TrailerCargo7,
SUM(CASE WHEN CargoBody = '17' THEN 1 ELSE 0 END) TrailerCargo8,
SUM(CASE WHEN CargoBody = '18' THEN 1 ELSE 0 END) TrailerCargoOth,
SUM(CASE WHEN CargoBody >= '19' THEN 1 ELSE 0 END) CargoOth,
SUM(CASE WHEN Defect = '1' THEN 1 ELSE 0 END) NoDef,
SUM(CASE WHEN Defect = '2' THEN 1 ELSE 0 END) Def2,
SUM(CASE WHEN Defect = '3' THEN 1 ELSE 0 END) Def3,
SUM(CASE WHEN Defect = '4' THEN 1 ELSE 0 END) Def4,
SUM(CASE WHEN Defect = '5' THEN 1 ELSE 0 END) Def5,
SUM(CASE WHEN Defect = '6' THEN 1 ELSE 0 END) Def6,
SUM(CASE WHEN Defect = '7' THEN 1 ELSE 0 END) Def7,
SUM(CASE WHEN Defect = '8' THEN 1 ELSE 0 END) Def8,
SUM(CASE WHEN Defect = '9' THEN 1 ELSE 0 END) Def9,
SUM(CASE WHEN Defect = '10' THEN 1 ELSE 0 END) Def10,
SUM(CASE WHEN Defect = '11' THEN 1 ELSE 0 END) Def11,
SUM(CASE WHEN Defect >= '77' THEN 1 ELSE 0 END) DefOth,
SUM(CASE WHEN SpeedLimit <= '25' THEN 1 ELSE 0 END) SpeedBin1,
SUM(CASE WHEN SpeedLimit <= '40' AND SpeedLimit > '25' THEN 1 ELSE 0 END) SpeedBin2,
SUM(CASE WHEN SpeedLimit <= '55' AND SpeedLimit > '40' THEN 1 ELSE 0 END) SpeedBin3,
SUM(CASE WHEN SpeedLimit >= '60' THEN 1 ELSE 0 END) SpeedBin4,
SUM(CASE WHEN TrafCont = '1' THEN 1 ELSE 0 END) NoTrafCont,
SUM(CASE WHEN TrafCont = '2' THEN 1 ELSE 0 END) TrafCont1,
SUM(CASE WHEN TrafCont = '3' THEN 1 ELSE 0 END) TrafCont2,
SUM(CASE WHEN TrafCont = '4' THEN 1 ELSE 0 END) TrafCont3,
SUM(CASE WHEN TrafCont = '5' THEN 1 ELSE 0 END) TrafCont4,
SUM(CASE WHEN TrafCont = '6' THEN 1 ELSE 0 END) TrafCont5,
SUM(CASE WHEN TrafCont = '7' THEN 1 ELSE 0 END) TrafCont6,
SUM(CASE WHEN TrafCont = '8' THEN 1 ELSE 0 END) TrafCont7,
SUM(CASE WHEN TrafCont = '9' THEN 1 ELSE 0 END) TrafCont8,
SUM(CASE WHEN TrafCont = '10' THEN 1 ELSE 0 END) TrafCont9,
SUM(CASE WHEN TrafCont = '11' THEN 1 ELSE 0 END) TrafCont10,
SUM(CASE WHEN TrafCont >= '77' THEN 1 ELSE 0 END) TrafContOth,
SUM(CASE WHEN InitImpact = '1' THEN 1 ELSE 0 END) InitImpact1,
SUM(CASE WHEN InitImpact = '2' THEN 1 ELSE 0 END) InitImpact2,
SUM(CASE WHEN InitImpact = '3' THEN 1 ELSE 0 END) InitImpact3,
SUM(CASE WHEN InitImpact = '4' THEN 1 ELSE 0 END) InitImpact4,
SUM(CASE WHEN InitImpact = '5' THEN 1 ELSE 0 END) InitImpact5,
SUM(CASE WHEN InitImpact = '6' THEN 1 ELSE 0 END) InitImpact6,
SUM(CASE WHEN InitImpact = '7' THEN 1 ELSE 0 END) InitImpact7,
SUM(CASE WHEN InitImpact = '8' THEN 1 ELSE 0 END) InitImpact8,
SUM(CASE WHEN InitImpact = '9' THEN 1 ELSE 0 END) InitImpact9,
SUM(CASE WHEN InitImpact = '10' THEN 1 ELSE 0 END) InitImpact10,
SUM(CASE WHEN InitImpact >= '77' THEN 1 ELSE 0 END) InitImpactOth,
SUM(CASE WHEN MostDamage = '1' THEN 1 ELSE 0 END) MostDamage1,
SUM(CASE WHEN MostDamage = '2' THEN 1 ELSE 0 END) MostDamage2,
SUM(CASE WHEN MostDamage = '3' THEN 1 ELSE 0 END) MostDamage3,
SUM(CASE WHEN MostDamage = '4' THEN 1 ELSE 0 END) MostDamage4,
SUM(CASE WHEN MostDamage = '5' THEN 1 ELSE 0 END) MostDamage5,
SUM(CASE WHEN MostDamage = '6' THEN 1 ELSE 0 END) MostDamage6,
SUM(CASE WHEN MostDamage = '7' THEN 1 ELSE 0 END) MostDamage7,
SUM(CASE WHEN MostDamage = '8' THEN 1 ELSE 0 END) MostDamage8,
SUM(CASE WHEN MostDamage = '9' THEN 1 ELSE 0 END) MostDamage9,
SUM(CASE WHEN MostDamage >= '77' THEN 1 ELSE 0 END) MostDamageOth,
SUM(CASE WHEN Damage = '1' THEN 1 ELSE 0 END) Damage1,
SUM(CASE WHEN Damage = '2' THEN 1 ELSE 0 END) Damage2,
SUM(CASE WHEN Damage = '3' THEN 1 ELSE 0 END) Damage3,
SUM(CASE WHEN Damage = '4' THEN 1 ELSE 0 END) Damage4,
SUM(CASE WHEN Damage = '5' THEN 1 ELSE 0 END) Damage5,
SUM(CASE WHEN Damage >= '9' THEN 1 ELSE 0 END) DamageOth,
MIN(DriverAge) As MinAge,
MAX(CASE WHEN DriverAge < '99' THEN 1 ELSE 0 END) DAgeBin1,
SUM(CASE WHEN DriverAge < '16' THEN 1 ELSE 0 END) DAgeBin2,
SUM(CASE WHEN DriverAge < '21' AND DriverAge >= '16' THEN 1 ELSE 0 END) DAgeBin3,
SUM(CASE WHEN DriverAge < '75' AND DriverAge >= '21' THEN 1 ELSE 0 END) DAgeBin4,
SUM(CASE WHEN DriverAge >= '75' AND DriverAge < '99' THEN 1 ELSE 0 END) DAgeBin5,
MIN(CASE WHEN DriverAge = '99' THEN 1 ELSE 0 END) As DAgeU,
SUM(CASE WHEN DriverGen = 'M' THEN 1 ELSE 0 END) DriverMale,
SUM(CASE WHEN DriverGen = 'F' THEN 1 ELSE 0 END) DriverFemale,
SUM(CASE WHEN DriverGen = 'NR' or DriverGen = 'U' THEN 1 ELSE 0 END) DriverGU,
SUM(CASE WHEN DContCirc1 = '1' OR DContCirc2 = '1' THEN 1 ELSE 0 END) DCC1,
SUM(CASE WHEN DContCirc1 = '2' OR DContCirc2 = '2' THEN 1 ELSE 0 END) DCC2,
SUM(CASE WHEN DContCirc1 = '3' OR DContCirc2 = '3' THEN 1 ELSE 0 END) DCC3,
SUM(CASE WHEN DContCirc1 = '4' OR DContCirc2 = '4' THEN 1 ELSE 0 END) DCC4,
SUM(CASE WHEN DContCirc1 = '5' OR DContCirc2 = '5' THEN 1 ELSE 0 END) DCC5,
SUM(CASE WHEN DContCirc1 = '6' OR DContCirc2 = '6' THEN 1 ELSE 0 END) DCC6,
SUM(CASE WHEN DContCirc1 = '7' OR DContCirc2 = '7' THEN 1 ELSE 0 END) DCC7,
SUM(CASE WHEN DContCirc1 = '8' OR DContCirc2 = '8' THEN 1 ELSE 0 END) DCC8,
SUM(CASE WHEN DContCirc1 = '9' OR DContCirc2 = '9' THEN 1 ELSE 0 END) DCC9,
SUM(CASE WHEN DContCirc1 = '10' OR DContCirc2 = '10' THEN 1 ELSE 0 END) DCC10,
SUM(CASE WHEN DContCirc1 = '11' OR DContCirc2 = '11' THEN 1 ELSE 0 END) DCC11,
SUM(CASE WHEN DContCirc1 = '12' OR DContCirc2 = '12' THEN 1 ELSE 0 END) DCC12,
SUM(CASE WHEN DContCirc1 = '13' OR DContCirc2 = '13' THEN 1 ELSE 0 END) DCC13,
SUM(CASE WHEN DContCirc1 = '14' OR DContCirc2 = '14' THEN 1 ELSE 0 END) DCC14,
SUM(CASE WHEN DContCirc1 = '15' OR DContCirc2 = '15' THEN 1 ELSE 0 END) DCC15,
SUM(CASE WHEN DContCirc1 = '16' OR DContCirc2 = '16' THEN 1 ELSE 0 END) DCC16,
SUM(CASE WHEN DContCirc1 = '17' OR DContCirc2 = '17' THEN 1 ELSE 0 END) DCC17,
SUM(CASE WHEN DContCirc1 = '18' OR DContCirc2 = '18' THEN 1 ELSE 0 END) DCC18,
SUM(CASE WHEN DContCirc1 = '19' OR DContCirc2 = '19' THEN 1 ELSE 0 END) DCC19,
SUM(CASE WHEN DContCirc1 = '20' OR DContCirc2 = '20' THEN 1 ELSE 0 END) DCC20,
SUM(CASE WHEN DContCirc1 = '21' OR DContCirc2 = '21' THEN 1 ELSE 0 END) DCC21,
SUM(CASE WHEN DContCirc1 = '22' OR DContCirc2 = '22' THEN 1 ELSE 0 END) DCC22,
SUM(CASE WHEN DContCirc1 = '23' OR DContCirc2 = '23' THEN 1 ELSE 0 END) DCC23,
SUM(CASE WHEN DContCirc1 = '24' OR DContCirc2 = '24' THEN 1 ELSE 0 END) DCC24,
SUM(CASE WHEN DContCirc1 = '25' OR DContCirc2 = '25' THEN 1 ELSE 0 END) DCC25,
SUM(CASE WHEN VisionObs >= '26' THEN 1 ELSE 0 END) DCCOth,
SUM(CASE WHEN VisionObs = '1' THEN 1 ELSE 0 END) NotObs,
SUM(CASE WHEN VisionObs = '2' THEN 1 ELSE 0 END) ObjectObs1,
SUM(CASE WHEN VisionObs = '3' THEN 1 ELSE 0 END) ObjectObs2,
SUM(CASE WHEN VisionObs = '4' THEN 1 ELSE 0 END) ObjectObs3,
SUM(CASE WHEN VisionObs = '5' THEN 1 ELSE 0 END) ObjectObs4,
SUM(CASE WHEN VisionObs = '6' THEN 1 ELSE 0 END) ObjectObs5,
SUM(CASE WHEN VisionObs = '7' THEN 1 ELSE 0 END) ObjectObs6,
SUM(CASE WHEN VisionObs = '8' THEN 1 ELSE 0 END) ObjectObs7,
SUM(CASE WHEN VisionObs = '9' THEN 1 ELSE 0 END) ObjectObs8,
SUM(CASE WHEN VisionObs = '10' THEN 1 ELSE 0 END) WeatherObs1,
SUM(CASE WHEN VisionObs = '11' THEN 1 ELSE 0 END) WeatherObs2,
SUM(CASE WHEN VisionObs = '12' THEN 1 ELSE 0 END) WeatherObs3,
SUM(CASE WHEN VisionObs = '13' THEN 1 ELSE 0 END) WeatherObs4,
SUM(CASE WHEN DriverCond = '1' THEN 1 ELSE 0 END) NormCond,
SUM(CASE WHEN DriverCond = '2' THEN 1 ELSE 0 END) ImpairCond1,
SUM(CASE WHEN DriverCond = '3' THEN 1 ELSE 0 END) ImpairCond2,
SUM(CASE WHEN DriverCond = '4' THEN 1 ELSE 0 END) ImpairCond3,
SUM(CASE WHEN DriverCond = '5' THEN 1 ELSE 0 END) ImpairCond4,
SUM(CASE WHEN DriverCond = '6' THEN 1 ELSE 0 END) ImpairCond5,
SUM(CASE WHEN DriverCond >= '8' THEN 1 ELSE 0 END) OtherCond
FROM zdrv_2001
GROUP BY Crash_Key

Total Query (for 2001)

CREATE OR REPLACE
ALGORITHM = UNDEFINED
VIEW 'totview2001'
AS select cview2001.Crash_Key,
CSeverity, SevGroup1, SevGroup2,
Vehicles, TOccupants, AvgPassCount,
Drug, Alcohol, DAOther, DANOnc,
NonColl, Collision, CFixedObject, FHOther,
MajorCause,
DayOfMonth, Rural, Urban, RUNR,
TimeBin, System,
PavedRoad, UnpavedRoad,
Light, CSurfCond,
Weather1, Weather2, Weather3, Weather4, Weather5, Weather6,
Weather7, Weather8, Weather9, Weather10, WeatherOth,
WZ_Related,
PAgeBin1, PAgeBin2, PAgeBin3,
FSeat, BSeat,
Seating1, Seating2, Seating3, Seating4, Seating5, Seating6, Seating7, Seating8, Seating9, Seating10,
Seating11, Seating12, Seating13, Seating14, Seating15, Seating16, Seating17, SeatingOth,
OccProcNone, OccProc1, OccProc2, OccProc3, OccProc4, OccProc5, OccProcOth,
EjectNot, EjectPart, EjectFull, EjectOth,
EjectP1, EjectP2, EjectP3, EjectP4, EjectP5, EjectPOth,
AirDep1, AirDep2, AirDep3, AirDep4, AirDep5, AirDepOth,
TrapNot, TrapNonMech, TrapMech, TrapOth,
from cview2001