

Attribute Information: The dataset depicts the details of the auto insurance claim, like, the policy details, vehicle details, claim details and also the customer demographic information etc.

Information about attributes:

Demographics Data :

- CustomerID : Customer ID
- InsuredAge : age
- InsuredZipCode : Zip Code
- InsuredGender : Gender - the missing value is represented as "NA"
- InsuredEducationLevel : Education
- InsuredOccupation : Occupation
- InsuredHobbies : Hobbies
- CapitalGains : Capital gains(Financial Status)
- CapitalLoss : capital loss(Financial Status)
- Country : Country

Policy Information :

- CustomerID : Customer ID
- CustomerLoyaltyPeriod : Duration of customer relationship
- InsurancePolicyNumber : policy number
- DateOfPolicyCoverage : policy commencement date
- InsurancePolicyState : Policy location (State)
- Policy_CombinedSingleLimit : Split Limit and Combined Single Limit
- Policy_Deductible : Deductible amount
- PolicyAnnualPremium : Annual Premium – the missing value is represented as "-1"
- UmbrellaLimit : Umbrella Limit amount
- InsuredRelationship : Relationship
- TotalCharges : Customer account information (Total). (For this attribute, missing values are denoted as "MISSINGVAL" also)
- DOE : Date of entry as customer
- ElectronicBilling : Customer account information - whether electronic billing
- ContractType : Contract type (For this attribute, missing values are denoted as "NA")
- PaymentMethod : payment method

Claim Information :

- CustomerID : Customer ID
- DateOfIncident : Date of incident
- TypeOfIncident : Type of incident
- TypeOfCollision : Type of Collision - "?" is the missing value
- SeverityOfIncident : Collision severity
- AuthoritiesContacted : Which authorities are contacted
- IncidentState : Incident location (State)
- IncidentCity : Incident location (City)
- IncidentAddress : Incident location (address)
- IncidentTime : time of incident – Hour of the day - the missing value is represented as "-5"

- NumberOfVehicles : Number of vehicles involved
- PropertyDamage : If property damage is there - "?" is the missing value
- BodilyInjuries : Number of bodily injuries
- Witnesses : Number of witnesses - missing value is represented as "MISSINGVALUE"
- PoliceReport : If police report available - "?" is the missing value
- AmountOfTotalClaim : Total claim amount - the missing value is represented as "MISSEDDATA"
- AmountOfInjuryClaim : Claim for injury
- AmountOfPropertyClaim : claim for property damage
- AmountOfVehicleDamage : claim for vehicle damage

Data of Vehicle:

- CustomerID : Customer ID
- VehicleAttribute : Service signed for
- VehicleAttributeDetails : Value of the vehicle attribute - the missing value is represented as "???"

Fraud Data :

- CustomerID : Customer ID
- ReportedFraud : Fraud or not – Target