CREDIT CARD FRAUD DETECTION SYSTEM – DECISION TREE

VENDOR TYPE
- IN LIST → ONLINE PERCENTAGE
  - OVER → LOCATION
    - IN LIST → NOT FRAUD!
    - NOT IN LIST → FRAUD!
  - UNDER → ONLINE PERCENTAGE
    - GREATER → NOT FRAUD!
    - LESS → TRANSACTION VOLUME
      - NEAR → TRANSACTION FREQUENCY
        - OVER → TRANSACTION VOLUME
          - UNDER → NOT FRAUD!
          - OVER → FRAUD!
        - UNDER → NOT FRAUD!
      - FAR → NOT FRAUD!
- NOT IN LIST → TRANSACTION VOLUME
  - NEAR → NOT FRAUD!
  - FAR → FRAUD!
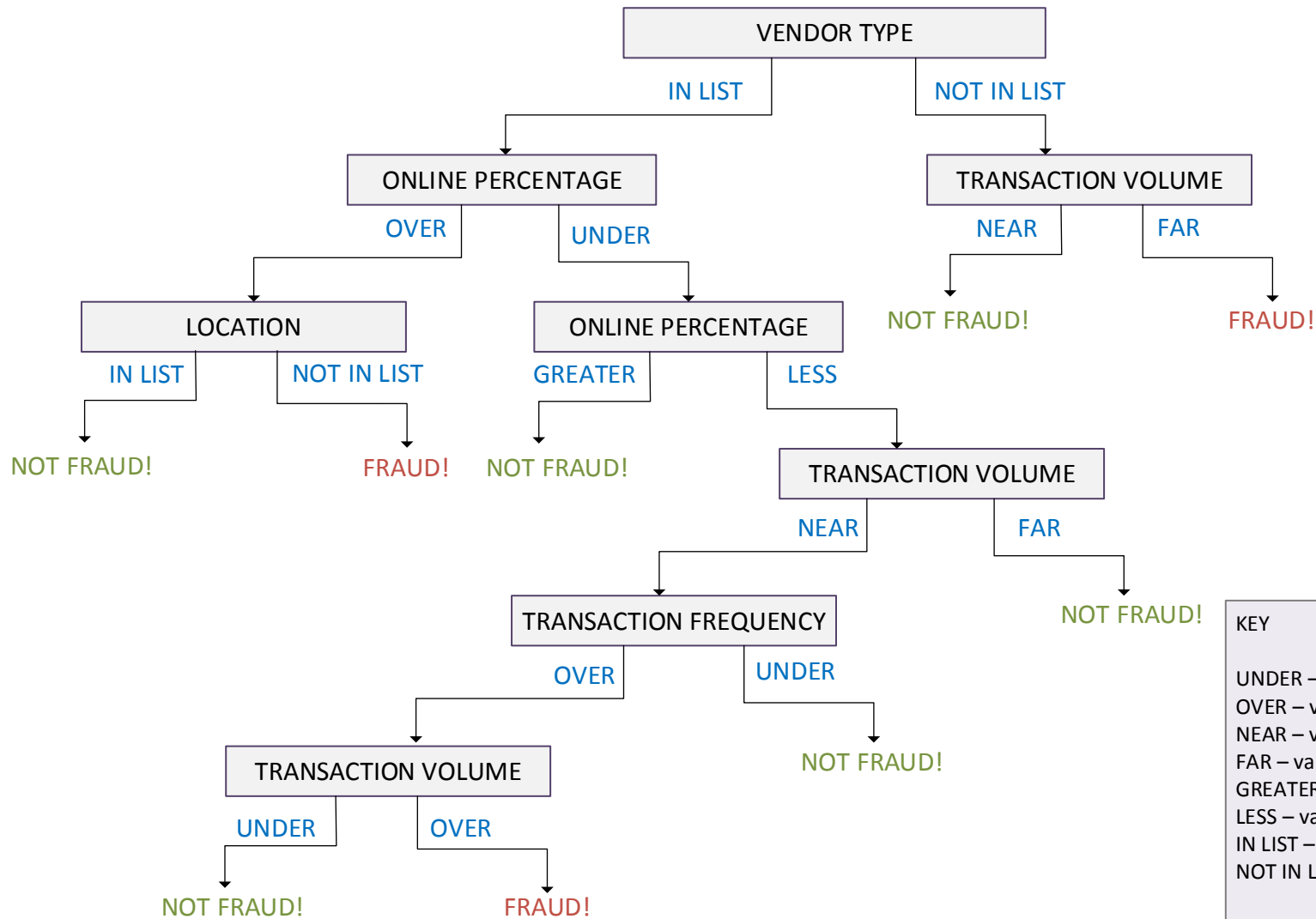
KEY

UNDER – value under customer average
OVER – value over customer average
NEAR – value near customer average
FAR – value far from customer average
GREATER – value has increased
LESS – value has decreased
IN LIST – value is in customer profile list
NOT IN LIST – value is not in customer profile list