

Table 1: Community Note Categories and Base Scores

Category	Base Score
Misleading: Manipulated Media	-3
Misleading: Missing Important Context	-3
Misleading: Unverified Claim as Fact	-2
Misleading: Factual Error	-2
Misleading: Outdated Information	-1
Misleading: Satire	-1
Misleading: Other	-1
Not Misleading: Outdated but Not When Written	1
Not Misleading: Personal Opinion	2
Not Misleading: Clearly Satire	2
Not Misleading: Other	2
Not Misleading: Factually Correct	3

Table 2: Tau Optimization Parameters

Parameter	Value
GA: Generations	1000
GA: Parents Mating	10
GA: Solutions per Pop.	20
GA: Parent Selection Type	Tournament
GA: Mutation Type	Random
GA: Mutation Probability	1
GA: Crossover Type	Single Point
Posts per Auction	20
Auctions per Round	$600 \times \tau$ polynomial degree

Python (Version 3.11) Packages:

- joblib v1.4.2
- matplotlib v3.10.0
- mysql-connector-python v9.2.0
- numpy v2.2.2
- pandas v2.2.3
- pygad v3.4.0
- scikit-learn v1.6.1
- seaborn v0.13.2
- tqdm v4.67.1
- tweepy v4.15.0