GeoAuPredict: Diagrams
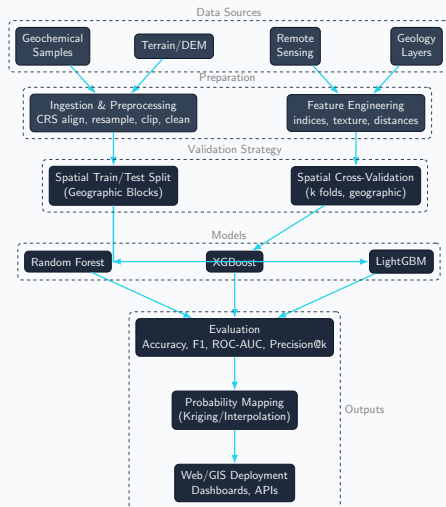
Auto-generated TikZ inputs

GeoAuPredict Team

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Model Architecture: Ensemble

Engineered Features
(elevation, indices, distances, etc.)

Evaluation Metrics:
Accuracy, Precision, Recall
F1, ROC-AUC
Precision@k (targeting)

Random Forest
n trees

XGBoost
GBDT

LightGBM
GBDT

Training Details:
Spatial CV (k-fold)
Class balance check
Hyperparams (depth, estimators, lr)
Early stopping (boosting models)

Soft Voting / Averaging

Gold Presence Probability

$$(p(\mathrm{Au}=1 \mid \mathbf{x}))$$