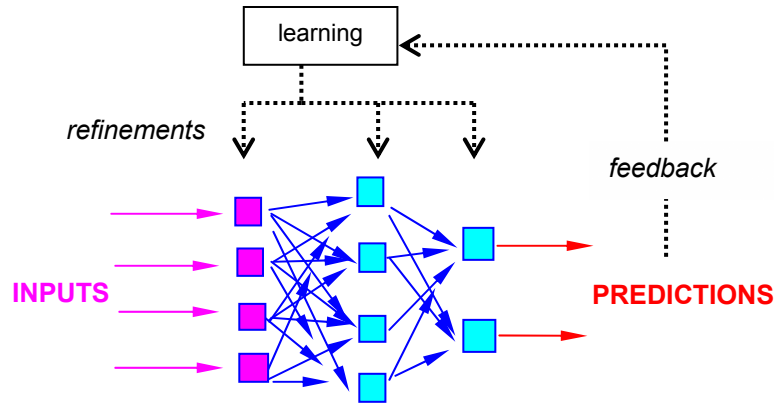


Mission Area: *Public and Private Strategic Planning*

Proposal Title: *Dynamic Modeling of Policy Issues and their Correlates*



Operational Capability:

This dynamic computer modeling approach improves the speed and accuracy of strategic analysis and management decisions affecting public and private issues.

- Systematically predicts major events by synthesizing multiple forecasting methods.
- Users more rapidly gain insights needed to formulate analyses and management recommendations / decisions.
- Employs self-learning (including artificial neural learning) to continuously refine model and improve predictive accuracy.
- User-friendly model designed to be maintained and continuously refined by user organization.

Example of Technical Approach:

1. Develop a standard profile of relevant events and other data (dimensions of the problem area).
2. Assemble or develop data bases, iterating among the following
 - a. past instances of events in the problem or issue area
 - b. list of other related types of event
 - c. instances of other related types of event
 - d. other relevant background factors
 - e. list of relevant parties / groups / organizations.
3. Develop computational forecasting model
 - a. shell program
 - b. subprogram library
 - c. subprograms.
4. Test and revise forecasting model, using results from steps 1 through 3, above.
5. Incorporate a model update procedure.
6. Develop user documentation and graphical user interface (GUI).
7. Instruct program end-users.

Value of model is directly related to both:

- User operating efficiency and effectiveness associated with improved speed and accuracy of analyses and management recommendations / decisions.
- Societal benefit of reduced risks and improved performance / outputs / products by the user.

Example of Deliverables:

Data: **issue area standard profile & data base;**

Executables: **computer program (shell, library, sub-p), GUI;**

Contextual: **user training & manual; status- & final- reports.**

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