A New Paradigm for Research in Machine Perception
(including Document Analysis and Exploitation*)

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New Paradigm

Access to referenced data repository

Comment, contribute and correct

Plug into a certified evaluation process

Community driven, maintained and monitored
Intelligent Data Repository

- Repository for sets of data, annotations and interpretations
- Fully queryable and expandable
- Queries are reproducible and referencable
- Platform guarantees access history and scenarios

Community driven, maintained and monitored

Access to referenced data repository

Plug into a standard evaluation process
Web 2.0 Interaction

Data:
- use is traceable
- community evaluated
- may have multiple interpretations

Users:
- contribute data
- contest or criticize data
- build a reputation through interaction and peer evaluation

Community driven, maintained and monitored

Comment, contribute and correct

Plug into a standard evaluation process

referenced data repository
Certified Experiments

Experiments:

- unbiased
- certified
- reproducible
- public

Promotes robustness and leverages re-use and creative science

Plug into a certified evaluation process

Community driven, maintained and monitored

Access to referenced data

Comment, contribute and correct
Peer Reputation

Platform:

- registers use
- gathers user profiles
- manages reputation (data, users, …)
- issues recommendations

Access to referenced data repository

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