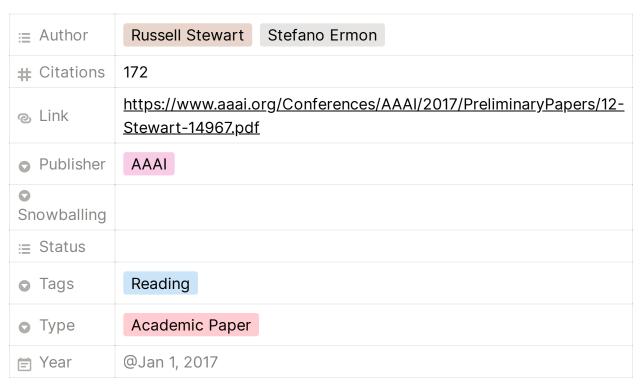
Label-Free Supervision of Neural Networks with Physics and Domain Knowledge



What did the authors try to accomplish?

- supervised learning without labeled training data
- specify constraints that should hold over the output space, derived from prior domain knowledge

What were the key elements of the approach?

- approach is different to unsupervised learning since they use explicit constraints instead of hidden ones
- algebraic and logical constraints are used
- introduce a regularization term to prefer simpler functions

What parts can you use yourself?

• learning with domain knowledge and without labeled data What other references do you want to follow?