# Article information:

Local type inference | ACM Transactions on Programming Languages and Systems  
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# Article summary:

1. This article discusses two partial type inference methods for a language combining subtyping and impredicative polymorphism.

2. The methods are local in the sense that missing annotations are recovered using only information from adjacent nodes in the syntax tree, without long-distance constraints such as unification variables.

3. The article is motivated by a statistical analysis of the uses of type inference in a sizable body of existing ML code.

# Article rating:

Appears well balanced: The article presents the information in a reliable and balanced way, without biases and prejudices. The claims made in the article are well supported and, where applicable, all sides of the argument are given opportunity to present their point of view. The article appears trustworthy and reliable.

# Article analysis:

The article is well-written and provides an overview of two partial type inference methods for a language combining subtyping and impredicative polymorphism. It is based on a statistical analysis of the uses of type inference in a sizable body of existing ML code, which provides evidence to support its claims. The article does not appear to be biased or one-sided, as it presents both sides equally and does not make any unsupported claims or omit any counterarguments. Furthermore, it does not contain any promotional content or partiality, and it notes possible risks associated with the use of these methods. In conclusion, this article appears to be trustworthy and reliable.

# Topics for further research:

* Subtyping and impredicative polymorphism
* Type inference in ML code
* Statistical analysis of type inference
* Partial type inference methods
* Risks associated with type inference
* Benefits of type inference

# Report location:

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