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Comparing the Pure Functional and Object Oriented Paradigm for implementing ABS

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Abstract

This study we compares the object oriented and pure functional programming paradigms to implement Agent-Based Simulation. Due to fundamentally different concepts both propagate fundamental different approaches in implementing ABS. In this document we seek to precisely identify these fundamental differences, compare them and also look into general benefits and drawbacks of each approach.

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0.1 Introduction

TODO: there is already a low-level haskell/java comparison there: in the code of the update-strategies paper. Also make direct use of this paper as it discusses some of the fundamental challenges implementing ABS in an language- and paradigm-agnostic way

References