
Safety Critical Systems AX Report

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1 INTRODUCTION

Artificial Intelligence has been one of the hot topics of this decade as it is surrounding our lives more as days go by. We can see it in objects ranging from aircrafts to smart home controllers.

However, as AI has become so powerful, it may come with a cost for the majority of us. Because of the large number of risks when letting Artificial Intelligence and Machine Learning robots/devices perform certain actions for us ([Mannino(2015)]), we need to devote a huge amount of effort in designing better safety-oriented architectures, well-crafted and thorough testing as well as regular check-ups and revisions. Therefore, we need to see a considerable increase in tools that assess and mitigate risks when introducing AI into systems of any type. Such a tool will be discussed in further detail in this report.

1.1 AI-DRIVEN TECHNOLOGIES

The importance of introducing AI into a field with safety as a top priority is crucial. Because there is no human involved, the goal of the whole AI community is to let the machines actually take our place in performing certain actions, so that

1.1.1 HEADING ON LEVEL 3 (SUBSUBSECTION)

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2 LISTS

2.1 EXAMPLE OF LIST (3*ITEMIZE)

- First item in a list
 - First item in a list
 - * First item in a list
 - * Second item in a list
 - Second item in a list
- Second item in a list

2.2 EXAMPLE OF LIST (ENUMERATE)

1. First item in a list
2. Second item in a list
3. Third item in a list

REFERENCES

- [Mannino(2015)] Adriano Mannino. Artificial intelligence: Opportunities and risks. 2015.
URL<https://foundational-research.org/wp-content/uploads/2016/06/AI-Policy-Paper.pdf>.