Project name	Image Recognition for Venue Accessibility Assessment
Description	People with disabilities (especially wheelchair users) frequently do not know if they are able to use a public building beforehand. Accessibility information about restaurants is often entered manually, and in turn, it is commonly unavailable for plenty of areas of the city. As a result, citizens can end up going to a spot only to figure out that their entrance is impossible. This means that citizens with disabilities frequently have to analyze pictures to understand if, for example, a restaurant has steps at its entrance, or enough space inside for a wheelchair to turn, or an accessible toilet. More detailed accessibility information about different establishments could be used not only to offer an optimized version of google places/maps, but also it can also help city officials to identify the establishments that are still not accessible and enable them to enforce architectural changes. We believe that recognizing certain accessibility guidelines can be done through existing images, and we could give these ratings to places automatically. At the SV research has already been done to extract information about restaurants and other places from images, mostly focused on seeing what type of restaurant it is and what ambiance it has. Although this task is different, it does prove the potential of analyzing visual content for related issues. There are multiple possible data sources that could be used for this project. Information from platforms like wheelmap could be combined with images from google places, which would require some data crawling and processing. This would be useful for interior accessibility assessments. For external assessment, such as doorstep accessibility, we could also use the panorama images of the City. This project is part of our Amsterdam for All project which aims at measuring city accessibility, and offering the appropriate data and analysis to city officials, so they can base their decisions on tangible evidence and ultimately, enable life for everyone in the city. On a daily basis, you will be working closely with two data scientists, as well as our UX/UI designer. The members of the AI Team, which have a lot of experience analysing visual data, will also be there for sharing their knowledge and brainstorming with you.

Overzicht van opmerkingen bij [AI_DS] Image Recognition for Venue Accessibility Assessment.pdf

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Nummer: 1 Auteur: [redacted] Datum: 31-8-2021 11:43:00 +02'00'

can you also point me to this one btw? Or do you mean the... city melange / new yorker melange or what was it there systemof [redacted]? :/

Nummer: 2 Auteur: [redacted] Datum: 31-8-2021 12:02:00 +02'00'

Let me check if it is allready published

Nummer: 3 Auteur: [redacted] Datum: 31-8-2021 12:04:00 +02'00'

Ah nope, referring to the work of [redacted]. But that is a work in progress

Work environment	Within the City of Amsterdam, you will work with experts from the Chief technology office, and more specifically the dedicated AI Team. More AI specialists and engineers will be available for occasional brainstorming sessions and workshops. Once a week all AI & Data Science students gather for more in-depth technical support. What we offer: ● Freedom and responsibility ● Working in a team of experienced people ● Successful outcomes are directly implemented ● A possibility to contribute to (your own?) smart city development ● A monthly internship compensation What we expect: ● An independent work ethic ● Machine learning knowledge ● Web Scraping skills ● [redacted] programming skills ● And most importantly: a passion for their field, an ambition to learn, and a drive to make Amsterdam even more beautiful, safe and sustainable!
Expectations	The most important thing is to be eager to explore and learn together and step out of the comfort zone. The aim to achieve results directly applicable and relevant to the municipality. (i.e. not merely an academic paper). In addition to the delivery of useful predictive models, relevant results also include byproducts of the whole data analysis/processing pipeline that could be turned into insightful reports.

Deze pagina bevat geen opmerkingen.