Trabalhos ADSA

António Câmara

Apresentação preliminar: 4/01/2021

Prazo de entrega: 31/01/2021

Formato:

5 páginas ancoradas em imagens incluindo:

- Formulação do problema e apresentação de soluções alternativas. Conceptualização de "data, logic and presentation layers".

- Fontes dos dados para a "data layer"; algoritmos utilizados na "logic layer" ; e tecnologias usadas na "presentation layer".

- Proposta para acções futuras.

Links estruturais:

Story telling deck a seguir na escrita e deck para a apresentação dos trabalhos

Environmental data sources and sensors

Causal diagramming, dynamic simulation models and unorthodox models

Machine leaning and other AI links. See also Text analysis, Generative AI, AI and architecture

Augmented reality and virtual reality decks

Visualization

Back-of-the-envelope calculations

Para acesso a outros documentos e "inks" consultar o site da cadeira e grupo no Facebook

Tipologia e links para projectos:

Mobilidade/logística

https://www.cbinsights.com/research/iot-smart-cities-market-map-company-list/ e

https://www.youtube.com/watch?v=sGqQF6LA0Pg

https://medium.com/pcmag-access/how-scooters-and-the-data-they-collect-can-transform-cities-e5316a7267e7

1. Charneca da Caparica- estacionamento antes e depois das intervenções

   https://www.theguardian.com/cities/2016/sep/27/cities-eliminating-car-parks-parking

   https://www.fastcompany.com/90456075/here-are-11-more-neighborhoods-that-have-joined-the-car-free-revolution

   https://youtu.be/P1vi2tys9F0

   https://www.fastcompany.com/90645900/america-has-eight-parking-spaces-for-every-car-heres-how-cities-are-rethinking-that-land

   https://www.washingtonpost.com/technology/2020/07/09/farms-fruit-california

   AI and architecture

2. À dos Bispos- entregas utilizando drones para evitar deslocações a supermercados fora da localidade

   https://www.thediff.co/p/drone-delivery-accelerating-to-inevitable

   https://www.theverge.com/2021/8/25/22640833/drone-delivery-google-alphabet-wing-milestone

   https://spectrum.ieee.org/robot-vehicles-make-contactless-deliveries-amid-coronavirus-quarantine

   https://www.marktechpost.com/2021/08/23/how-doordash-uses-machine-learning-ml-and-optimization-models-to-solve-dispatch-problem/

3. Vila Franca- optimização de percursos até locais de estacionamento livre

   https://ieeexplore.ieee.org/document/8809089

   https://amp.fastcompany.com/40583000/what-if-your-car-knew-where-the-closest-parking-spot-was

   Math tackles the eternal question: where to park?

   https://news.ucsc.edu/2019/01/millardball-vehicles.html (um futuro com carros autónomos)

4. Damaia-de Baixo- utilização de sensores (incluindo câmaras acopladas a drones) para identificar locais de estacionamento livre

   https://ieeexplore.ieee.org/document/8809089

   https://medium.com/predict/intelligent-parking-a-tale-of-five-cities-31b14056261

https://qz.com/1652293/how-to-make-money-with-rs-metrics-and-orbital-insight-space-data/

5. Santa Catarina- serviço de utilização de “scooter”

   https://www.archdaily.com/971488/transport-by-electric-scooters-are-our-cities-ready-for-micromobility

   https://www.sciencedirect.com/science/article/pii/S1361920920308130

   https://www.li.me/lime-uber-electric-scooter

   https://www.bloomberg.com/news/articles/2018-10-16/five-ways-to-redesign-cities-for-the-scooter-era

6. Almada- sistemas de partilha em mobilidade

   Thread on mobility

   https://www.treehugger.com/ikea-building-big-new-store-vienna-no-parking-4857795

   https://www.ben-evans.com/benedictevans/2017/3/20/cars-and-second-order-consequences

   https://medium.com/predict/mobility-as-a-service-is-largely-unprofitable-the-automobile-industry-and-retail-are-f68197558dec

   https://www.forbes.com/sites/bradtempleton/2019/08/12/between-cars-and-micromobility-lies-minimobility-a-self-driving-transportation-revolution/

   https://www.nytimes.com/2021/10/03/climate/cities-public-transit-electric-tram-ferry-bus-cable-car.html

7. Nova Oeiras- sistemas de boleias

   https://medium.com/@MarkZannoni/a-framework-for-when-ride-hailing-sharing-companies-and-public-transit-agencies-may-work-together-36dcb6bf6f47

   https://www.thezebra.com/resources/personal-finance/13-ways-to-create-income-with-car/

   https://www.cbinsights.com/research/transportation-service-smart-commuting/

   https://venturebeat.com/2019/08/27/google-maps-now-lets-you-pair-transit-directions-with-biking-and-ride-sharing/amp/

   https://hackernoon.com/will-smart-contracts-eat-the-world-part-one-what-are-smart-contracts-d2cea816035b

   https://www.nature.com/articles/s41598-021-00053-8

   https://medium.com/@cormacnchees/nft-use-cases-that-will-become-mainstream-in-the-next-de-353131f2105d

   https://future.a16z.com/nft-canon/

8. Casal da Serra- eVTOLs (“flying cars”)

https://www.frontiersin.org/articles/10.3389/fbuil.2020.00106/full

https://www.cnbc.com/2021/09/09/chinas-xpeng-and-future-of-electric-vehicles-robots-and-flying-cars.htm

https://yisela.medium.com/electric-vehicles-vs-a-new-transportation-contender-flying-cars-4f8a7b177b94

https://www.technologyreview.com/2018/08/24/140595/japan-teams-up-with-uber-boeing-and-airbus-to-deploy-flying-cars-within-a-decade/

https://www.nytimes.com/2021/06/12/technology/flying-cars.html

Intervenções urbanas inovadoras

https://medium.com/@oscarboyson/the-future-of-cities-ba4e26c807fe

https://www.fastcompany.com/90647761/this-magical-portal-connects-people-across-two-cities

https://www2.deloitte.com/global/en/pages/public-sector/articles/urban-future-with-a-purpose

9. Cruz Quebrada- alternativa ao plano para a zona ribeirinha

https://towardsdatascience.com/ai-architecture-f9d78c6958e0

https://archive.curbed.com/2016/9/22/13019420/urban-design-community-building-placemaking

https://www.volts.wtf/p/the-5-coolest-trends-in-urbanism

https://medium.com/our-world-tomorrow/smart-cities-are-about-to-dive-into-the-metaverse-fa036454283f

https://www.fastcompany.com/90697765/this-old-coal-power-plant-will-be-transformed-into-a-15-minute-neighborhood

10. Torrão- robots para recolha de resíduos e limpeza urbana

https://qz.com/1909600/the-future-of-garbage-collection-is-pneumatic-tubes

https://www.igi-global.com/chapter/design-of-a-garbage-collection-robot/243765

https://www.scientificamerican.com/article/can-robots-help-pick-up-after-the-recycling-crisis/

https://www.startus-insights.com/innovators-guide/4-top-robotics-startups-out-of-46-for-waste-management-in-smart-cities/

https://arxiv.org/ftp/arxiv/papers/1904/1904.13034.pdf
https://techxplore.com/news/2019-08-automatically-garbage.html

https://roboticsandautomationnews.com/2019/05/09/5-technologies-that-would-change-waste-management-industry/22289/

11. Caparica- “re-branding” como capital do surf

https://www.canny-creative.com/city-branding-examples/

http://www.culturaldiplomacy.org/academy/pdf/research/books/nation_branding/The_Branding_Of_Cities_-_Julia_Winfield-Pfefferkorn.pdf

https://www.bloom-consulting.com/journal/the-basics-of-a-successful-country-or-city-brand-strategy/

https://urbact.eu/city-branding-making-invisible-visible

http://www.paulgraham.com/cities.html

https://www.fastcompany.com/90164720/being-everywhere-is-not-enough-the-5-new-tenets-of-branding

https://www.yesmagazine.org/environment/2021/02/24/europe-cities-nature-rewild

https://www.newyorker.com/culture/culture-desk/surfing-in-the-age-of-the-surfing-selfie

https://www.surfholidays.com/blog/the-15-best-surf-towns-in-the-world

https://www.surfline.com/surf-news/worlds-best-surf-cities/38659

https://theculturetrip.com/europe/portugal/articles/a-gnarly-guide-to-portugals-best-surfing-spots/