




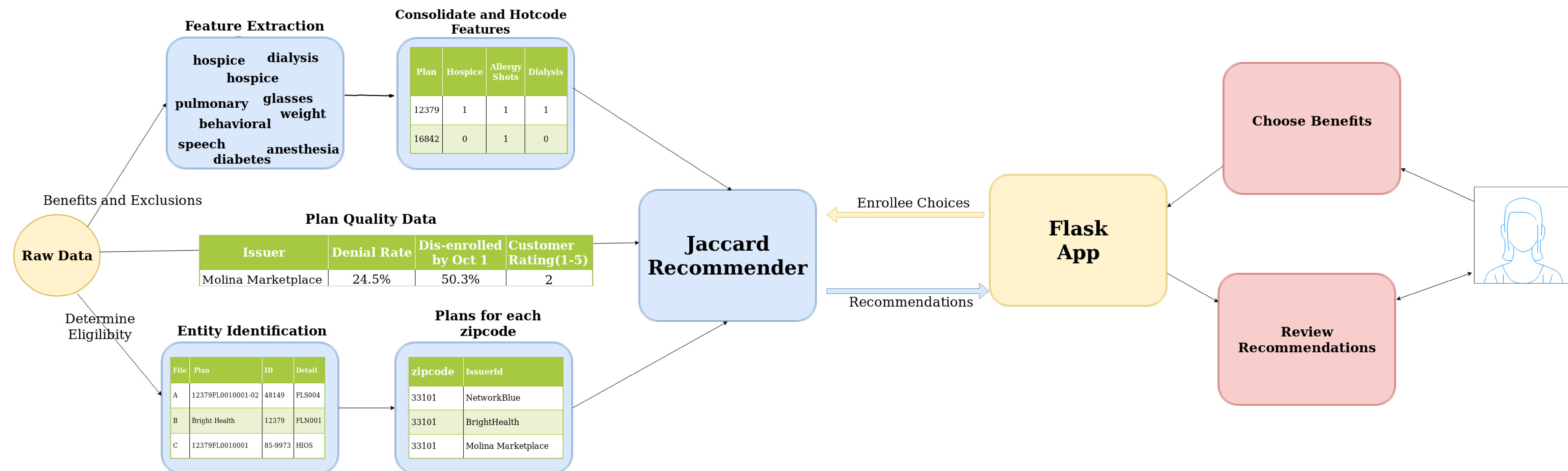


2020 Florida Healthplan Recommender

Mike De Lancey

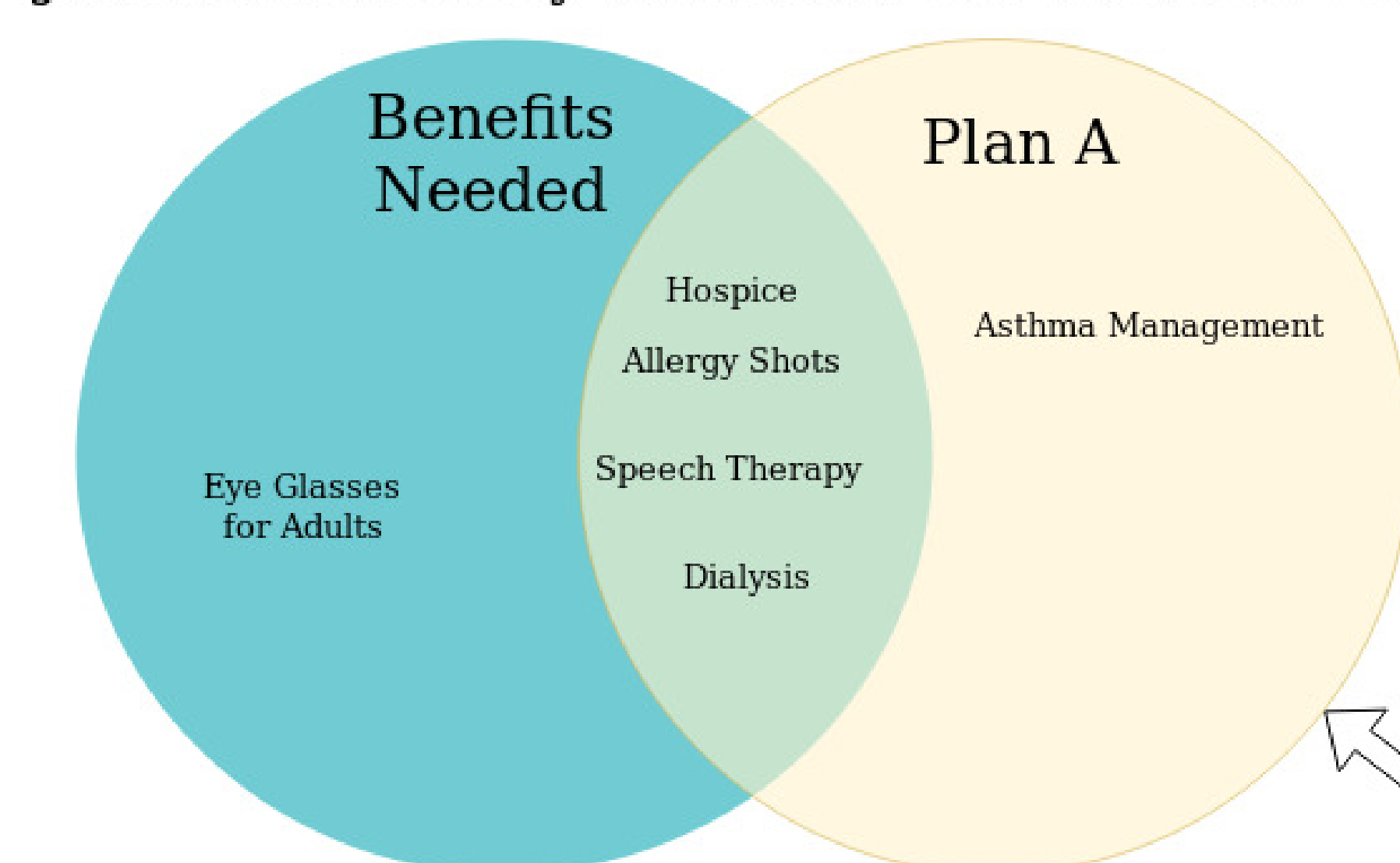
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How it works



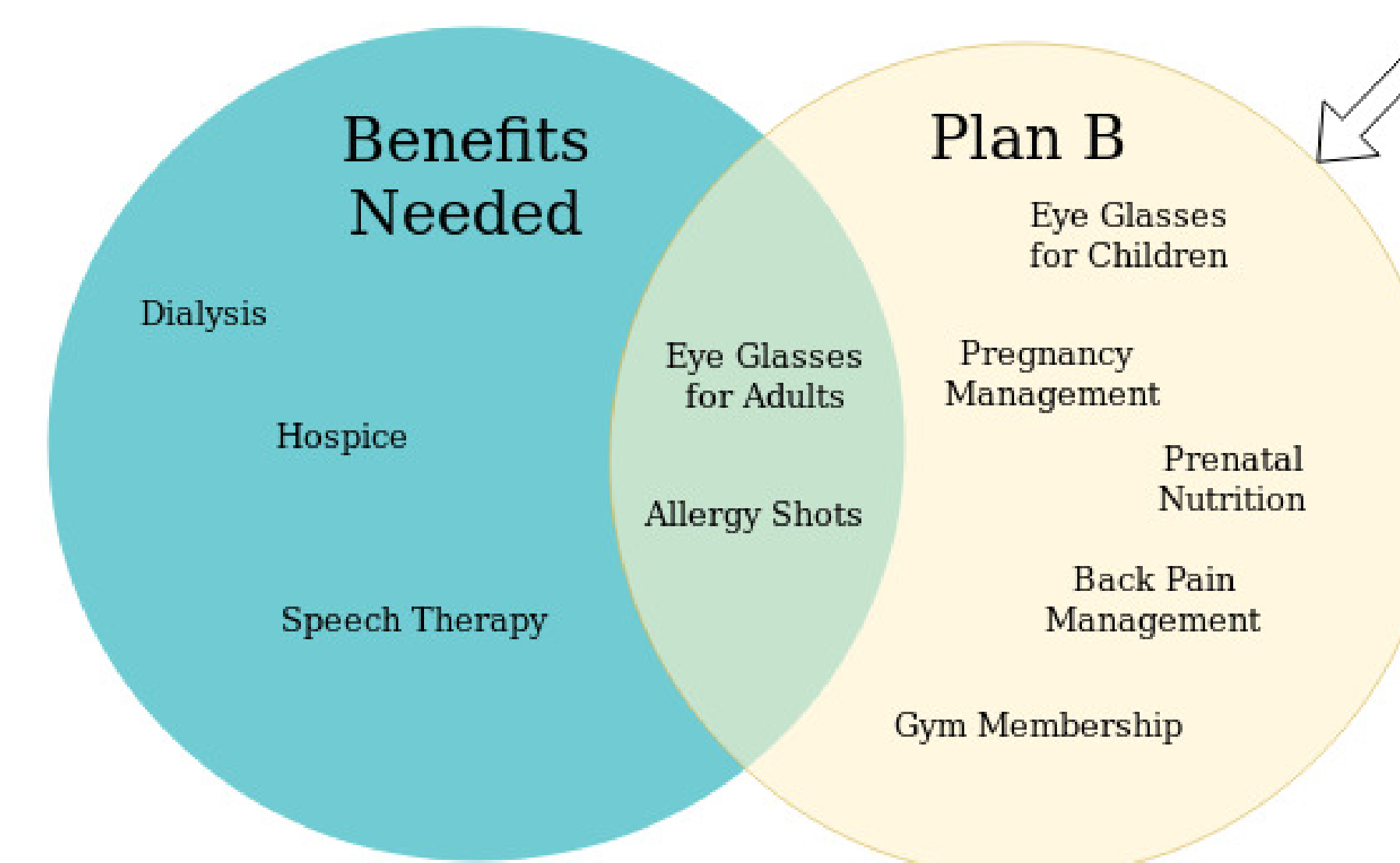
What is Jaccard Similarity?

Jaccard Similarity Measures the Union of Two Groups = $\frac{\text{Number of Overlapping}}{\text{Total Number of Features}}$



Our Enrollee is a 72 year old man with Diabetes who recently had a stroke. He is looking for benefits to cover his needs.

| Overlap | Benefit only | Plan Only | Formula |
|---------|--------------|-----------|-------------|
| 4 | 1 | 1 | $4/6 = .66$ |
| 2 | 3 | 5 | $2/10 = .2$ |



Even though Plan B has more overall benefits, our enrollee is recommended Plan A because the benefits it has matches his needs

Background

At over 1.7 million enrollees in the 2019 Healthcare Marketplace, Florida had more than the bottom 25 states combined. This application seeks to simplify the process to choose the right plan.

Tech Stack



What's Next?

- Expand to other states on the marketplace
- Incorporate plan pricing
- Include dental only plans

References

1. Centers for Medicare and Medicaid Services -Health Insurance Exchange Public Use Files.
<https://www.cms.gov/CCIIO/Resources/Data-Resources/marketplace-puf.html>
2. USDA – County FIPS codes.
https://www.nrcs.usda.gov/wps/portal/nrcs/detail/national/home/?cid=nrcs143_013697
3. Bootstrap themes
<https://startbootstrap.com/themes/>