This directory presently contains

1, A 2015 published paper on **fairness** and the several ways to measure bias.

2. A 2017 published paper on responsiveness, a.k.a. **competitiveness**, with special emphasis on the efficiency gap being used in many current court cases.

3. A 2019 published paper on criteria with PA as the example.

4. A 2020 submitted manuscript that tackles the thorny issue of evaluating bias in an unbalanced state.

5. An old **unsubmitted** and therefore unpublished piece showing geometrically how compactness and not splitting political boundaries can lead to less fair outcomes.

This directory will eventually contain other commentary including comments on the literature.