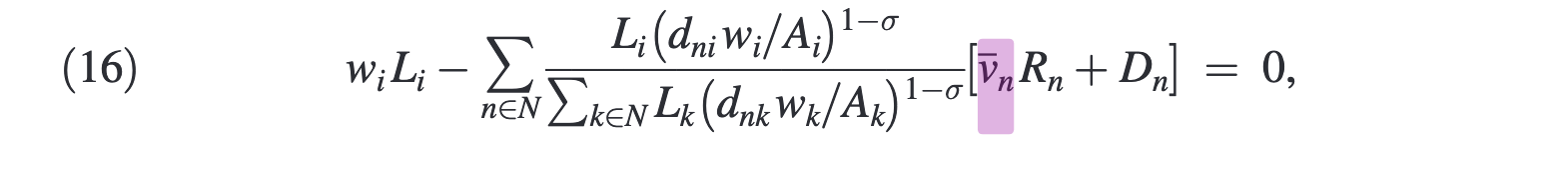
**Tried..**

Trying my code with ERH data.

**Tried ERH code with ERN data**

1. **Using his data for bar v\_n, L\_i, w\_i, R\_n, A\_i, D\_n, dist\_ni [such that dist = 10^9 for no trade between counties], psi, sigma**
2. **Compute pi\_ni**
   1. *[6 lines of code]*
3. **Test (16) --- 6% -- 17 million = 10^7.**



1. **uncertainties**
   1. Should this equation hold exactly (with the data / productivities)
2. **Possible fixes**
   1. Renormalize something to make this hold?

Dividing by 1000 (yes/no)

Tried translating ERH code to python.

* Uses his data for every input to trade shares
* Omitting 10^4 thing (doesn’t make a difference)
* I transpose after his function is called because I think his distance matrix is transposed. (Need this to get cols to sum to 1)…
* Uses deficits.
* Best so far ‘only’ 5% error.
* Should this equation definitely hold?

-

* normalize