Gwilym/Jon/Gavin (cc. Mark/Mirjam)

I'd be keen to plan a timetable for this work, and agreeing how we will try to use the data, particularly to look at the question of suburbanisation of poverty. I don't think it is a huge amount of effort and it would be good to have it set up so the full code is available through GitHub so others are able to follow and comment on the process. We'd also try to make the resulting data available through UBDC. Have copied in Mark and Mirjam since they may be interested in contributing or commenting on method. Steps would be as follows:

June/July

1. Get the existing SIMD data for DZ-2001 from 2004 - should have this from the pollution paper work but need to make sure that, for each year, we have: population, SIMD score and rank, and Income Deprivation %.

2. Using the old DZ boundaries, run the decentralisation code on the Income Deprived for the four cities for each year, and check whether we see similar pattern to the suburbanisation paper. This also acts as a baseline against which we can check the re-aggregated data.

3. Agree a procedure for making our 'best' estimate of overall SIMD score/rank, and Income Deprivation, on new DZ-2011 boundaries. We can do better than simply looking at the nearest old DZ for each new DZ centroid by using information about variations within each DZ, utilising Census data at OA level. We have: deprivation scores for OAs in 2001 (Mirjam Allik's paper); and a lookup file showing how the population of each OA-2001 is apportioned to each DZ-2011 (Paul Norman's file). The approach would be:

a. use OA-2001 deprivation decile to apportion DZ-2001 deprivation to the OA-2001;

b. use Norman's file to re-aggregate to DZ-2011.

4. Re-run the decentralisation code using the estimates of Income Deprivation for the new DZ boundaries and compare with 2. To do this, we need to be able to identify the four cities in terms of the DZ-2011 boundaries.

Early August

5. Finally, on the day that the SIMD2016 are released, run the decentralisation code on that data and also produce simple maps showing absolute changes. Put out a short summary.

Does this sound like a plan?

Regards

Nick