The URL to download data for the Capstone Project:

<https://www.huduser.gov/portal/datasets/hads/hads.html>

Please download the ASCII version of files for the “HADS Data derived from AHS National Data” for years 2005, 2007, 2009, 20011 and 2013

**List of Variables in the Data to be used in Capstone**

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| **Variable Name** | **Type** | **Explanation** |
| CONTROL | Character String | A control variable for Housing Unit. Useful to match data across datasets from different years. |
| AGE1 | Numerical | Age of head of household |
| METRO3 | Character ‘1’,’2’, ‘3’, ‘4’ or ‘5’ | Metropolitan status:  ‘1’ : Central City  ‘2’, ‘3’, ‘4’, ‘5’ :Others |
| REGION | Character ‘1’,’2’, ‘3’ or ‘4’ | The four census regions—Northeast, Midwest, South, and West. |
| LMED | Numerical ($) | Area Median Income |
| FMR | Numerical ($) | Fair Market Monthly Rent |
| IPOV | Numerical ($) | Poverty Income threshold |
| BEDRMS | Numerical | Number of Bedrooms in the unit |
| BUILT | Numerical | Year the unit was built |
| STATUS | Character ‘1’, ‘3’ | Occupied or Vacant |
| TYPE | Numerical | Structure Type  1 House, apartment, flat  2 Mobile home with no permanent room added  3 Mobile home with permanent room added  4 HU, in nontransient hotel, motel, etc  5 HU, in permanent transient hotel, motel, etc  6 HU, in rooming house  7 Boat or recreation vehicle  9 HU, not specified above |
| VALUE | Numerical ($) | Current market value of unit |
| NUNITS | Numerical | Number of Units in Building |
| ROOMS | Numerical | Number of rooms in the unit |
| PER | Numerical | Number of persons in Household |
| ZINC2 | Numerical | Annual Household income |
| ZADEQ | Character | Adequacy of unit  ‘1’ Adequate  '2’ Moderately Inadequate  '3’ Severely Inadequate  ‘-6’ Vacant - No information |
| ZSMHC | Numerical ($) | Monthly housing costs. For renters, housing cost is contract rent plus utility costs. For Owners, mortgage is not included |
| STRUCTURETYPE | Numerical | Structure Type  1 Single Family  2 2-4 units  3 5-19 units  4 20-49 units  5 50+ units  6 Mobile Home  -9 Not Known |
| OWNRENT | Character, ‘1’, ‘2’ | ‘1’: Owner: Owner occupied, vacant for sale, and sold but not occupied.  ‘2’: Rental: Occupied units rented for cash and without payment of cash rent. Vacant for rent, vacant for rent or sale, and rented but not occupied. |
| UTILITY | Numerical ($) | Monthly utilities cost (gas, oil, electricity, other fuel, trash collection, and water) |
| OTHERCOST | Numerical ($) | Sum of ‘other monthly costs’ such as Home owners’ or renters’ insurance, Land rent (where distinct from unit rent), Condominium fees (where applicable), Other mobile home fees (where applicable). |
| COST06 | Numerical ($) | Monthly mortgage payments assuming 6% interest. This applies only to “Owners”. |
| COST08 | Numerical ($) | Monthly mortgage payments assuming 8% interest. This applies only to “Owners”. |
| COST12 | Numerical ($) | Monthly mortgage payments assuming 12% interest. This applies only to “Owners”. |
| COSTMED | Numerical ($) | Monthly mortgage payments assuming median interest. This applies only to “Owners”. |
| ASSISTED | Numerical | Did the housing unit receive some governmental ‘assistance”.  0 Not assisted  1 Assisted  -9 Not Known |