**Supplemental Table 2. Areas and sub-areas of the GDS framework.**

|  |  |
| --- | --- |
| **Area** | **Sub-area** |
| Data gathering, preparation, and exploration |  |
| Data representation and transformation | Modern databases |
|  | Mathematical representations |
| Computing with data |  |
| Data modeling | Generative modeling |
|  | Predictive modeling |
| Data visualization and presentation |  |
| Science about data science |  |