## Terminologies

### Programming

Skills in programming and programming languages needed acquiring

### Database and Tools

Database skills, e.g. SQL, and tools that can be used

### Cloud

Platforms needed to know and understand

### Misc.

Other skills needed rather than Programming, Database and Tools and Cloud. e.g. Soft skills, characteristics, etc.

## Field Skills

Statistical

Mathematical

Problem-solving

Data-management

### Programming

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  |  | R | Python | Matlab | Java | SQL | Scala |
| Analysis | Traditional data | x | x | x |  | x | x |
| Big data | x | x |  | x |  |  |
| BI | x | x | x |  | x |  |
| Analytics | Traditional Method | x | x | x |  |  |  |
| Machine Learning | x | x | x | x |  | x |