Job Posts Across States Insight

Workshop 3

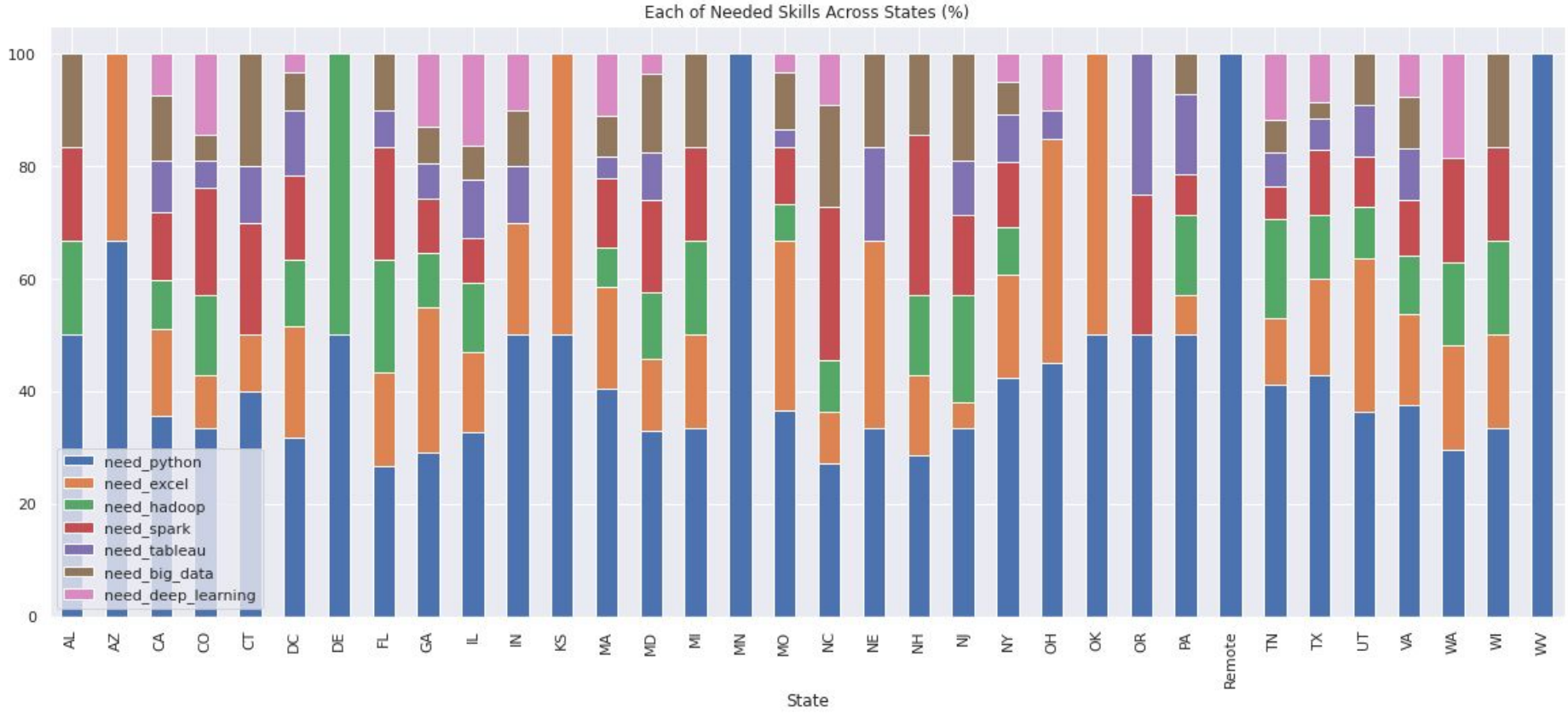
Group 4

Outline

We provide insights of comparison among country states by the following aspects:

- Percentage of each skills needed in every state
- Average salary across state
- Average workload across state

Each of Needed Skills Across States



Each of Needed Skills Across States

100%
(34 of 34 state)
Python

82.3%
(28 of 34 State)
Excel

70.5%
(24 of 34 State)
Spark

70.5%
(24 of 34 State)
Big Data

67.6%
(23 of 34 State)
Hadoop

61.7%
(21 of 34 State)
Tableau

47%
(16 of 34 State)
Deep Learning

From that chart, the most needed skill each state is **Python** with the percentage of **100%** state using it (all-state using Python), followed by Excel, Spark, Big Data, Hadoop, Tableau, and the least needed skill is **Deep Learning** with the percentage of **47%** state using it.

Average Salary Across States

DE

Above **250$**

CO

Below **100$**

From the chart on the left, the highest average salary each state is **State DE** with an estimated average salary is above **250$**, and the estimated lowest average salary each state is **State CO** with an average salary is below **100$**

Average Workload Across States

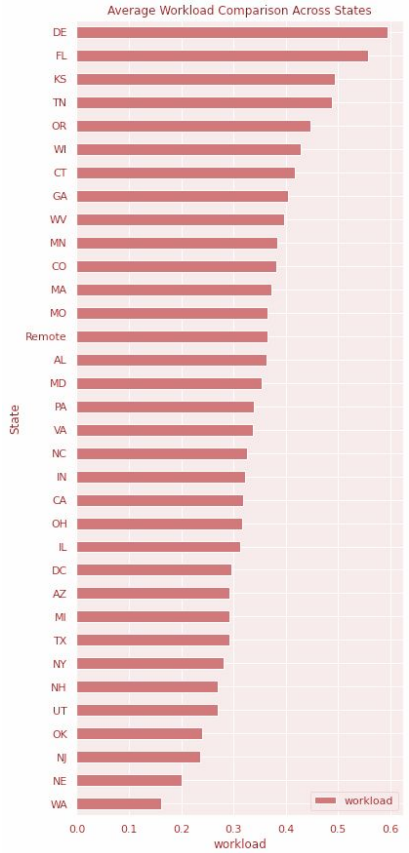
DE

Above **0.5**
Almost **0.6**

WA

Above **0.1**
Below **0.2**

From the chart on the right, the highest workload in each state is **State DE** with the workload is above **0.5** and almost reach **0.6**, and the lowest workload in each state is **State WA** with a workload is below **0.2** and **near 0.1**



Correlation between Salary and Workload

If we compare both charts by rank, we could see that states with **high average workloads** do **not equal** to states with **high average salary**, and vice versa too.