Intro to Python

Bootcamp Women in Data

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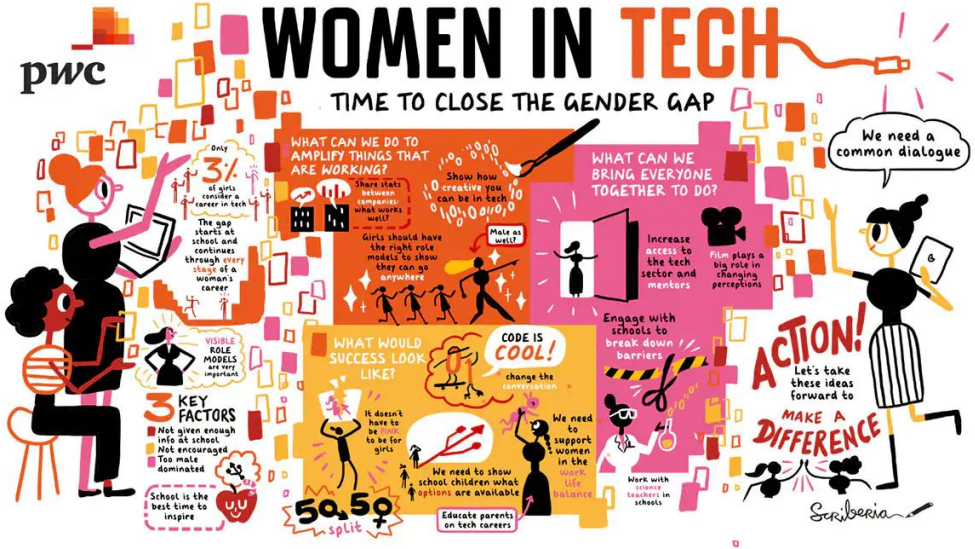
Our skills!



Importance of soft skills for the future of work

Higher cognitive skills along with social, emotional, and communication skills are critical to enhance personal productivity and support career advancement of women across STEM-related sectors in South East Asia.

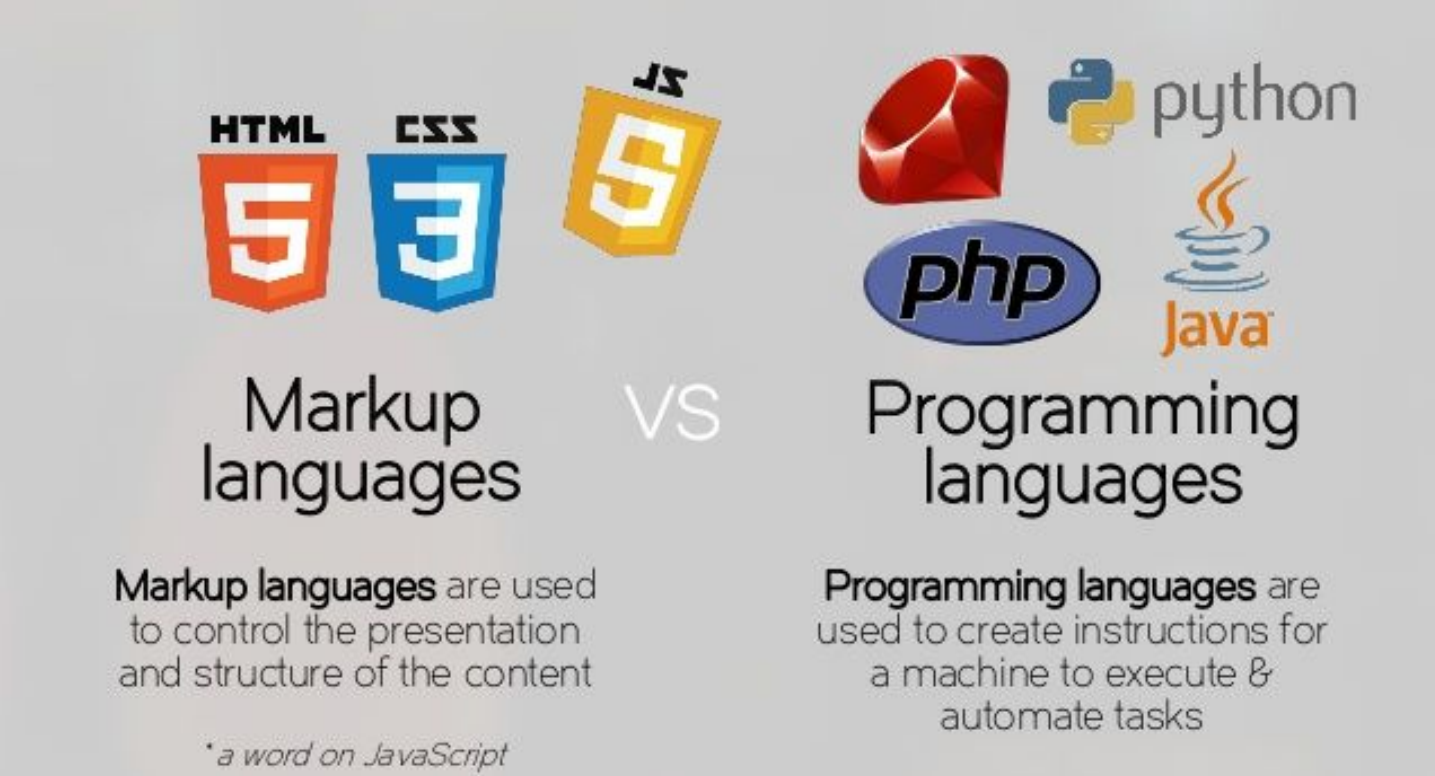
Robotic automation and artificial intelligence are making significant inroads in STEM-related sectors. However, machines lack the ability to work in teams, lead others, communicate effectively, assess and understand cross-cultural workplaces, and finally negotiate then reach consensus at work.

Thus, these soft skills along with higher cognitive skills such as creativity, critical thinking and problem solving, become crucial to increase both employability and productivity among female workers.

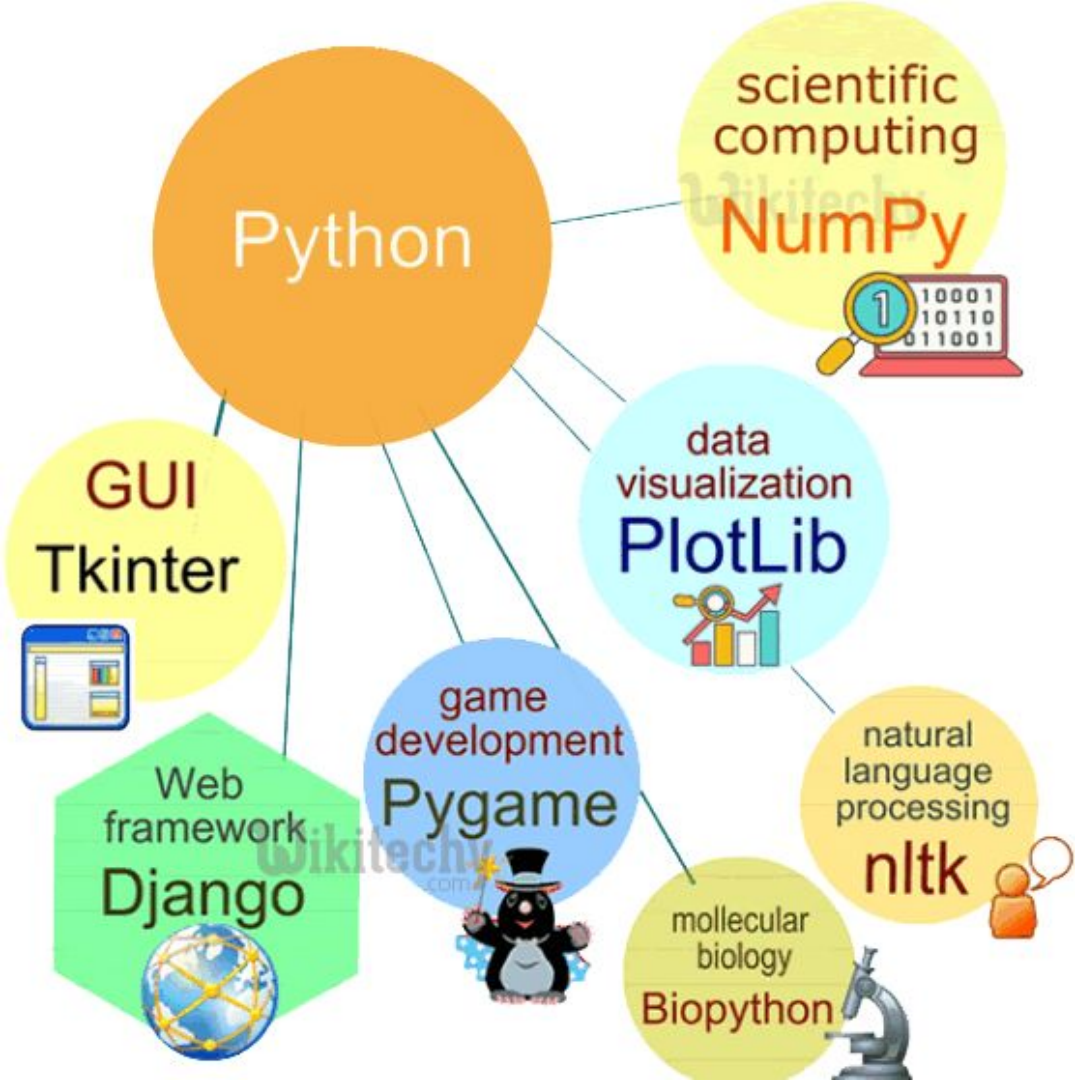
The ILO approach for soft skills development

The ILO through its *In Business* soft skills modules seeks to enhance workplace-based learning through an affordable and effective methodology for continuous/ life-long training on soft skills in-company. The ILO modules allow enterprises to develop critical soft skills among low and mid-skilled female employees.

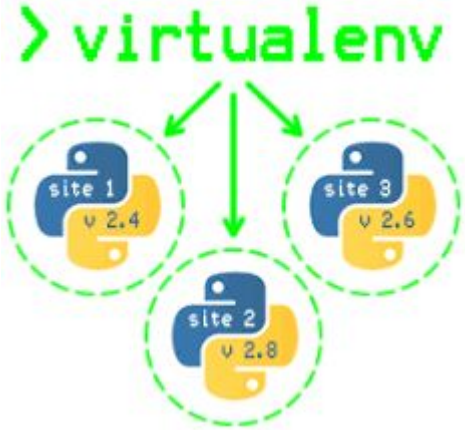
Type of Language



https://www.slideshare.net/sweska/evolution-of-programming-languages



Many uses



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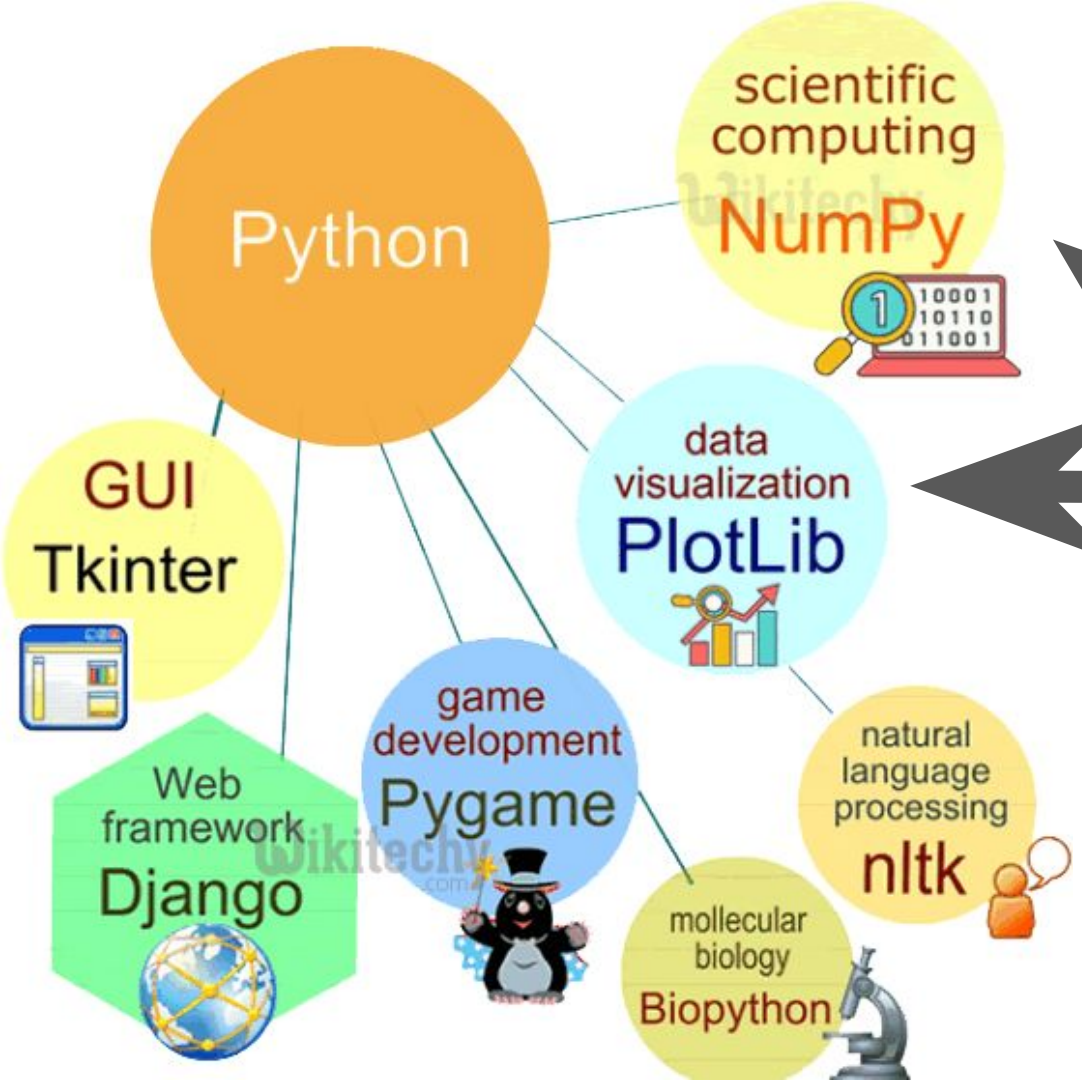
Many uses



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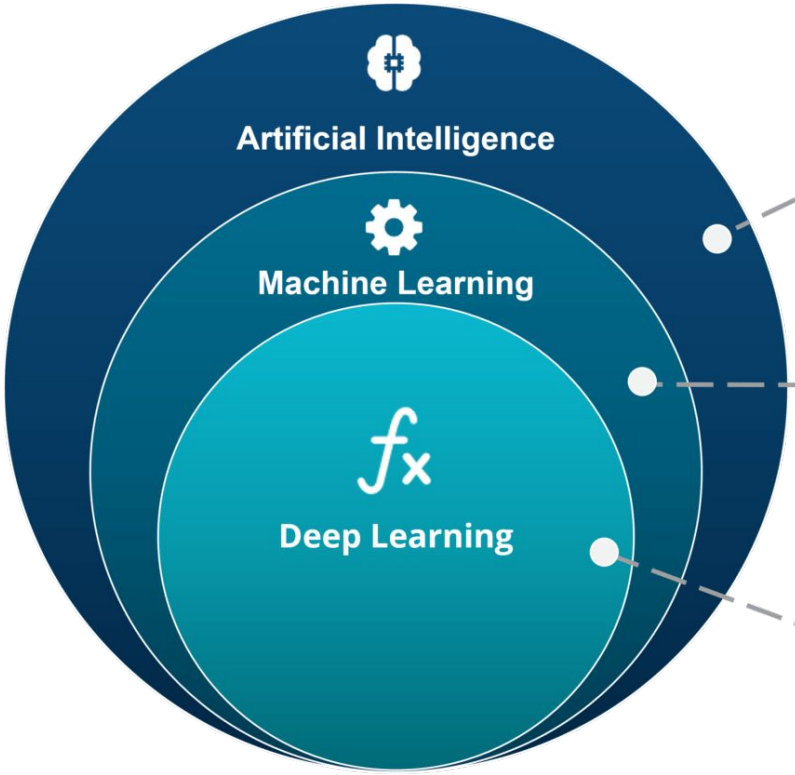
Different goals

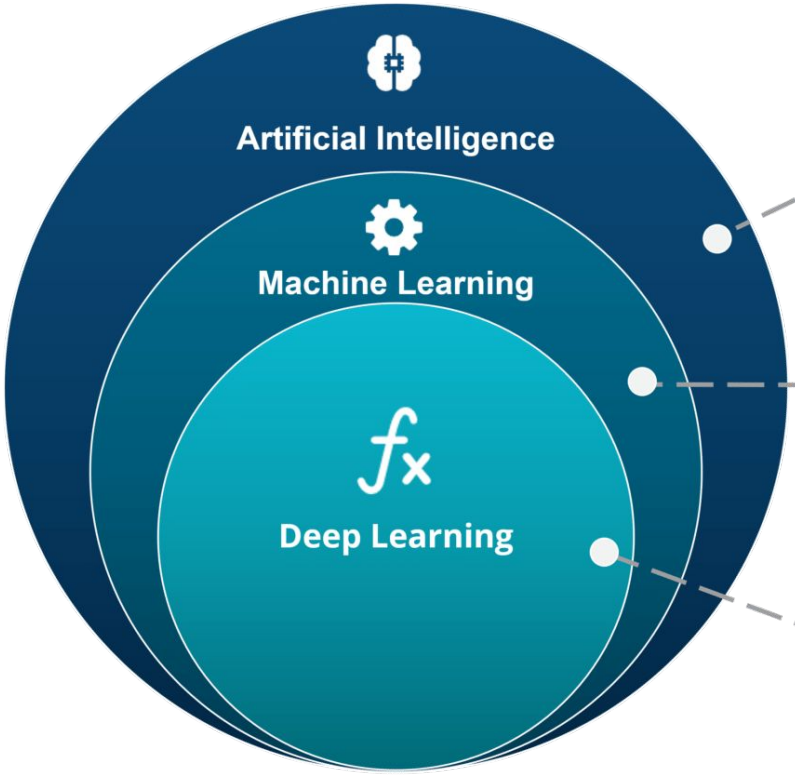


ARTIFICIAL INTELLIGENCE
A technique which enables machines to mimic human behaviour

MACHINE LEARNING
Subset of AI technique which use statistical methods to enable machines to improve with experience

DEEP LEARNING
Subset of ML which make the computation of multi-layer neural network feasible

Different goals



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pandas
$y_i t = \beta' x_{it} + \mu_i + \epsilon_{it}$

MACHINE LEARNING
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NumPy

DEEP LEARNING
Subset of ML which make the computation of multi-layer neural network feasible

Many libraries

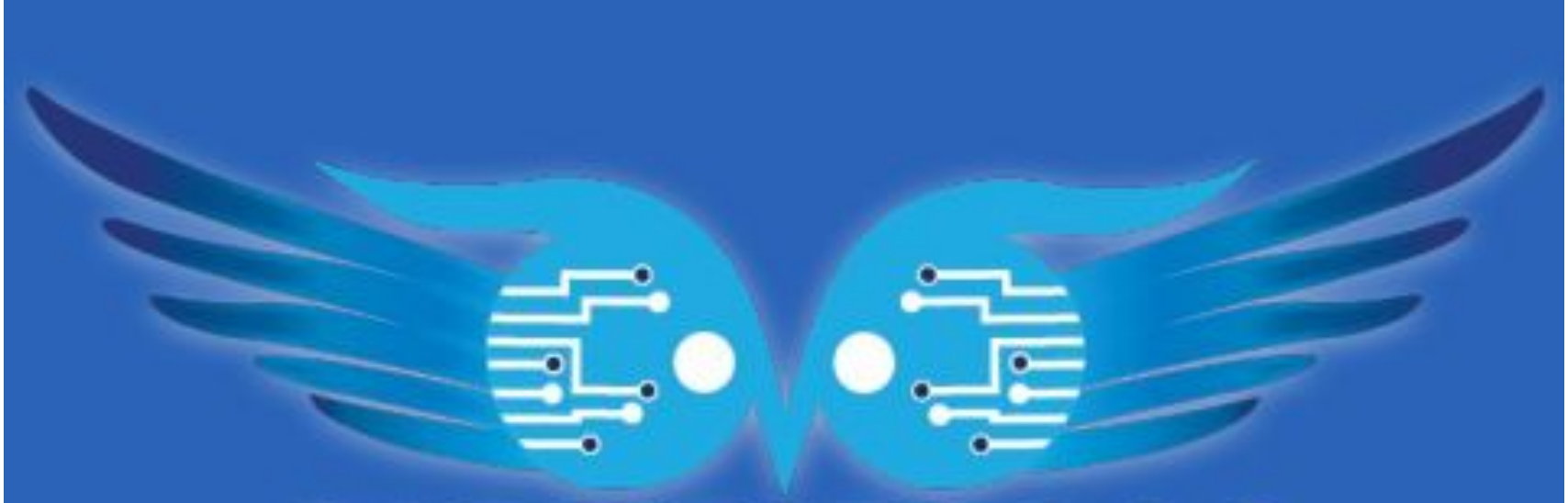
IP[y]: IPython
Interactive Computing

http://makemeanalyst.com/popular-python-libraries-for-data-analysis/

ANACONDA®

To practice!!

https://goo.gl/z9t3gG



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