

## Sustainable Powerhouse: YGL and Moffett Join Forces for ESG Excellence

19th of January 2024.

Two industry titans, YGL, the champion of business solutions, and Moffett, the sustainability powerhouse, have joined forces to create a game-changing ESG (Environmental, Social, and Governance) alliance. This dynamic partnership promises to equip businesses with the tools and knowledge they need to thrive in a sustainable future.

### Boosting Your ESG Game:

YGL and Moffett are co-creating cutting-edge ERP-ESG solutions that seamlessly integrate into your existing systems. Imagine streamlining data collection, generating accurate reports, and meeting ESG compliance requirements with effortless ease. This is the future of sustainability reporting, and it's here now.

### Spreading the Green Wave:

This partnership isn't just about technology; it's about igniting a collective passion for sustainability. YGL and Moffett are joining forces to host impactful events, workshops, and initiatives that will raise awareness and empower businesses to embrace eco-conscious practices. Get ready to be part of a vibrant community of like-minded organizations leading the charge towards a greener tomorrow.

### Spreading the Green Wave:

Moffett's deep sustainability expertise perfectly complements YGL's technological prowess. This union eliminates the gap between sustainability goals and practical implementation. Imagine having access to a team of dedicated sustainability consultants who understand your business and can translate your ESG aspirations into tangible action plans, all powered by YGL's cutting-edge technology. This is more than just a partnership; it's a revolution in the way businesses approach sustainability. YGL and Moffett are paving the path for a future where ESG excellence is not just achievable, but essential. So, whether you're a seasoned sustainability champion or just starting your journey, join this powerful alliance and unlock the true potential of your business in the age of conscious capitalism.







## Dive into the world of Artificial Intelligence

YGL R&D team focus on practical application and understanding of fundamental algorithms. Learn Python coding for Machine Learning and Deep Learning, progressing from basics to advanced topics. Explore classification methods like Logistics, Bayes, and K-Nearest Neighbors, delve into regression analysis, and master ensemble techniques. Uncover the power of unsupervised learning with K-means and density-based clustering. Harness the potential of AI in text mining, sentiment analysis, puzzle-solving using heuristics, and delve into neural networks, computer vision, and deep learning.

**Exercise 4**

- Calculate the change in the weight following:
- The sample is misclassified as -1:  $\hat{y}_j^{(t)} = 1, y^{(i)} = -1, \eta = 1$
- $x_j = 0.5, \Delta w_j = ?$
- $x_j = 2, \Delta w_j = ?$
- You will notice that the change in the weights is proportional to strength of the input signal.

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jupyter percept Last checkpoint: 19 hours ago (auto-saved)
File Edit View Insert Cell Kernel Widgets Help
In [3]: w = np.zeros((x.shape[1],))
out[3]: array([0., 0., 0.])
In [4]: w = [0.2, 0.1, 0.4]
np.dot(x, w[1:])
print(np.dot(x, w[1:]))
[0. 0.4 0.5 0.1]
Verify the output above. Understand how it is being calculated.
In [5]: y = np.array([1, 1, 1, -1])
for i, j in zip(x, y):
    if x[j] > 0:
        w[j] = w[j] + y
    else:
        w[j] = w[j] - y
print(w)
[0. 1. 1. 0.]

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