



StressBeat

by Hackattoni

Politecnico di Milano, Italy
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Our Team



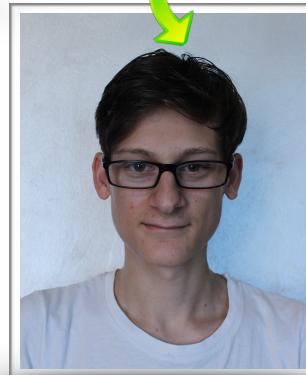
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Coluccio**

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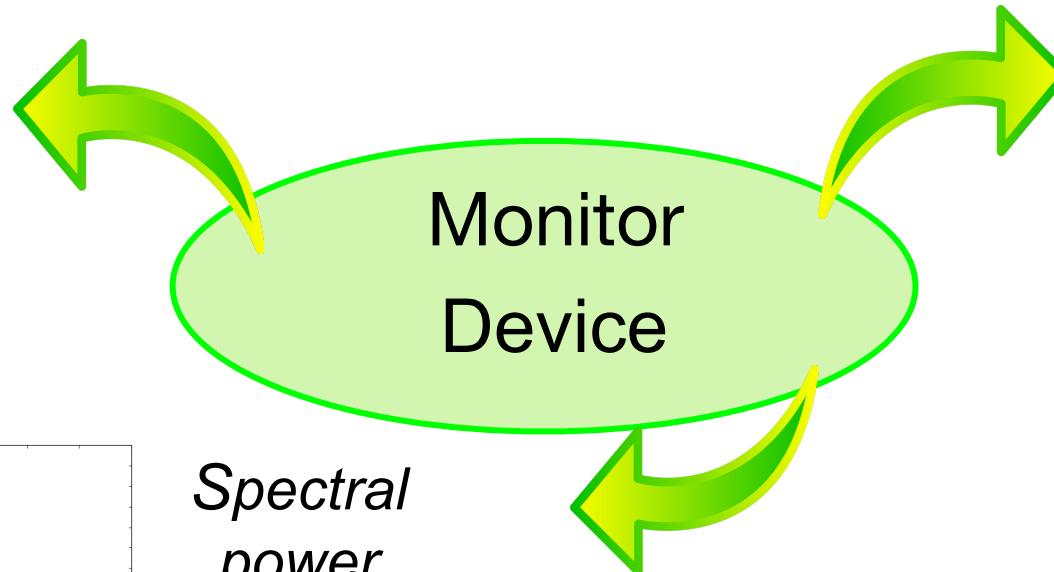
**Greta
Citelli**

Ingegneria
Biomedica

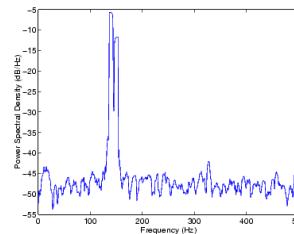
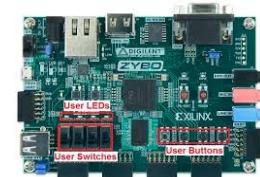


Our idea...

*Heart Rate
(Finger-clip
sensor)*

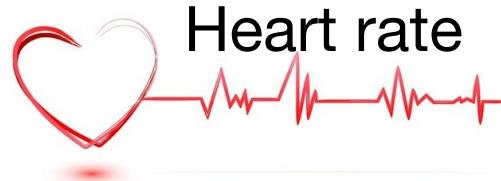


Pynq



*Spectral
power
distribution*

How does it work?



Heart rate



Data processing



Comparison
of obtained values with baseline



Answer:

“stressed”? ←

Plots & Stats

Our Aim

We aim at keeping **YOUR** values controlled and monitored, in order to prevent panic attacks and stress-related problems.



Future work (1)

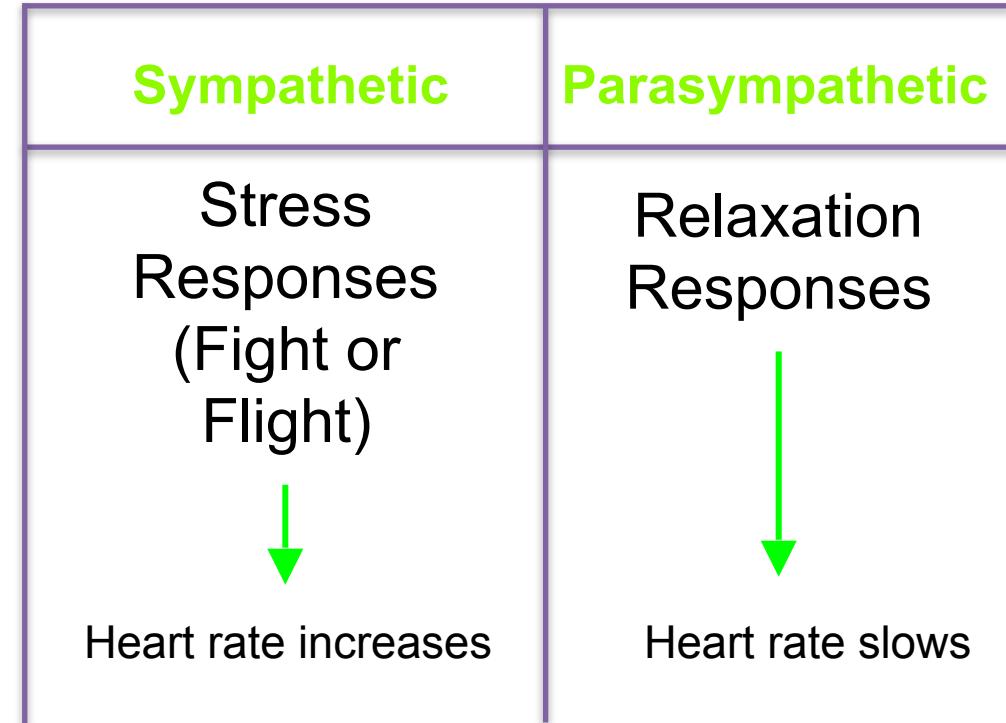
- Mobile Phone Integration: To always keep your values monitored thanks to a **heart rate sensor** attached to your mobile phone



Future work (2)

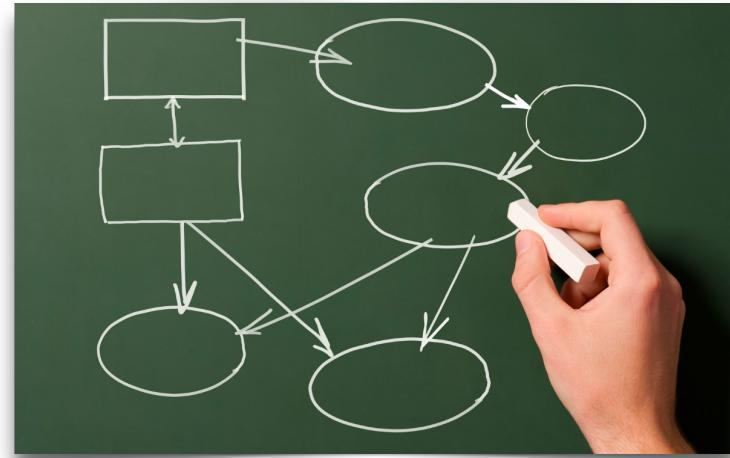
- Nervous System

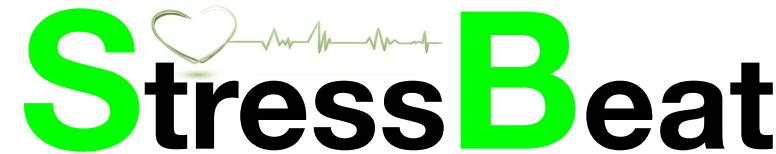
Correlation: In order to show the possible correlation with the parasympathetic and sympathetic nervous system



Future work (3)

- Data Analysis Algorithm Improvement





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Thank You for Your attention!

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