

Social media considered harmful

Rijkswaterstaat

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Problem description

Bike-lane quality → improve safety

Volunteered information from cyclists



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No input while cycling

Minimal effort from cyclist



Our focus

Sensor data \rightsquigarrow road quality ?

Bike-fixed device

Smartphone

Gathering data

Phone sensor data

2 bikes

5 cyclists

Smooth with damage, sidewalk

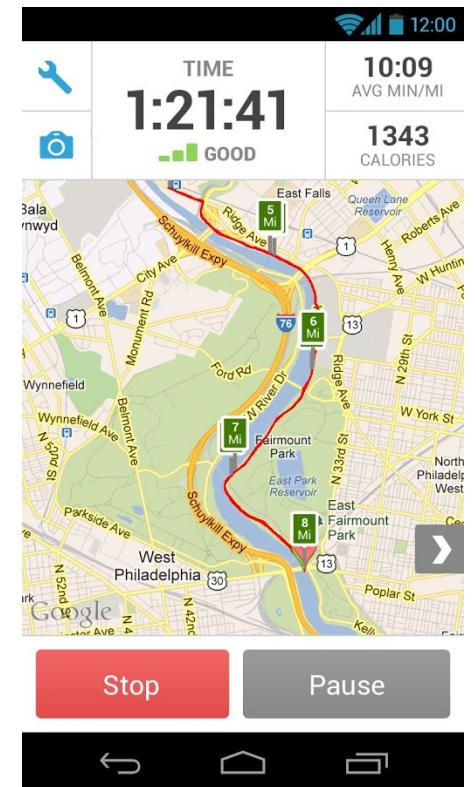


Preliminary results

Considerations

Cyclist's interest

Reaching audience



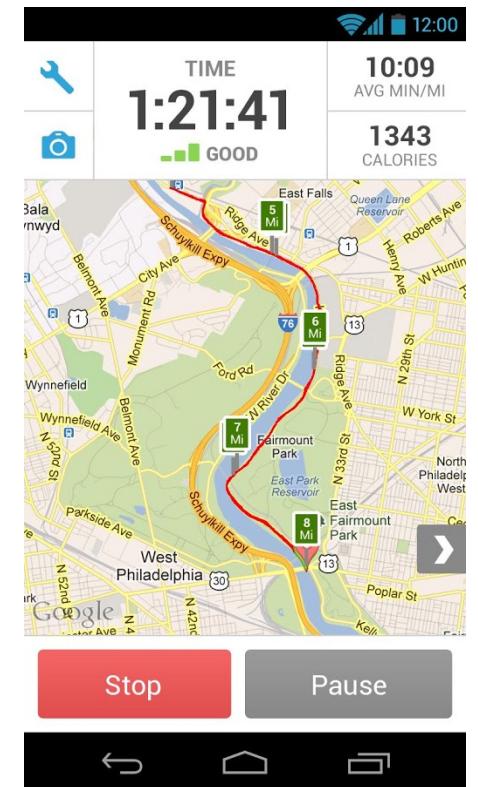
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Investment 

Postprocessing



Considerations

Cyclist's interest

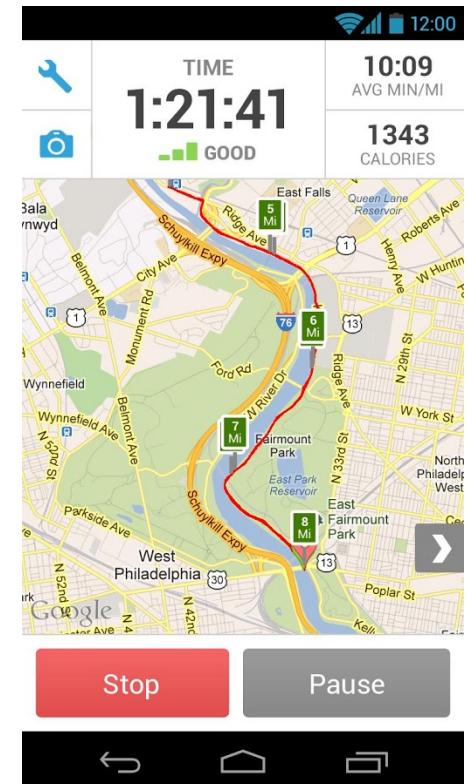
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Seasonal effects

Privacy



Outlook