Fwd: "34 Bucks"- Hackathon- Proof of concept

1 message

Paul Tluczek   Sun, Apr 2, 2017 at 11:23 PM

To:

Sent from my iPhone

Begin forwarded message:

> **From:** Jacob Thomas
> **Date:** April 2, 2017 at 2:22:24 PM PDT
> **To:**
> **Subject: Fwd: "34 Bucks"- Hackathon- Proof of concept**
>
>
> Begin forwarded message:
>
> > **From:** Jacob Thomas
> > **Date:** April 2, 2017 at 12:57:16 PM PDT
> > **To:** Patrick Johnson
> > **Subject: "34 Bucks"- Hackathon- Proof of concept**
> >
> >
> > Hi!
> > Our proof concept was designed using Tableau which we will demonstrate during presentation today, happy to send the charts and tables later.
> >
> > Below is the workflow used.
> >
> > Thanks!
> >
> >
> > Begin forwarded message:
> >
> > > **From:** Jacob Thomas
> > > **Date:** April 2, 2017 at 12:55:30 PM PDT
> > > **To:** Jacob Eli Thomas
> > > **Subject: Hackathon- Proof of concept**
> > >
> > >
> > > Answering questions 1,2,3
> > > 1) Who needs it most?
> > > 2) Who can pay?
> > > 3) Where should we build?
> > >
> > > **Our Solution:- Proof of Concept**
> > > 1) App and website where we input features.
> > > Example:
> > > No of users who can pay, network coverage etc. and app will calculate ROI of installing solar panels and mixed grid.
> > > 2) Scalable for any country in the world
> > > 3) Features can be changed to view ROI dynamically
> > >
> > > **Next Steps**
> > > 1) Building App
> > > 2) Geo spatial region visualization
> > >
> > > **Approach - Behind the scene data science techniques used**
> > > 1) Linear regression
> > > 2) Multiple regression
> > > 3) KNN modeling
> > > 4) Naive Bayes modeling

5) Python
6) Pandas data analysis techniques

EVERY PRODUCTION SOURCE
POWER PLANT

YES   No

                    CONVERSION RATE
Q2.   Urban   Q1. WHO Needs it?

WHO CAN PAY?   ASSUMPTION
                   USERS of
                   Candle } Lowest
                   Battery } Hanging
                   Kerosene } Fruits

   15+ yrs   Users of
People   People who   1) Gas } NEXT
with   will seek jobs 2) Hydro
Jobs :   ↓
                a) LOOKED for jobs
         ?   b) FULL Time
Internships   Students
         ← c) In UNPAID jobs

2(b).
     POWERPLANT?
          ↓ YES .
     Households that can convert

SOLAR
PANELS.   MINI GRIDS

   ↓   ↓
 ROI.   Per 250

                    ↓
                  ROI.