Facial Analytics for Insurance

Computer Vision Based Solutions
Facial Analytics for Insurance

*Why companies use our deep learning solutions?*

**Overview**

- Predict age, gender, lifestyle habits, BMI etc. customized on client data to improve accuracy based on geography
- Reduce policy issuance time by doing an instant cross-check against input data on various features
- Identify repeat fraudsters

**Detect fraud to reduce underwriting risk**

**Novel marketing strategy**

- Position product in a unique way

**AI based underwriting**

- Process is much faster, straightforward and engaging
**How it works?**

*Customized workflow as per client needs*

<table>
<thead>
<tr>
<th>Capture image</th>
<th>Pre-process image for analysis</th>
<th>Predict demographic and lifestyle attributes</th>
<th>Business Intelligence</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image1" alt="Capture image" /></td>
<td><img src="image2" alt="Pre-process image" /></td>
<td><img src="image3" alt="Predict demographic and lifestyle attributes" /></td>
<td><img src="image4" alt="Business Intelligence" /></td>
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- **Capture image on website or app** and transfer to data streams pre-processing application
- **Identify number of faces** in the image
  - **Transform image** and securely push for further processing
- **Predict** age, gender, height, weight, lifestyle habits like smoking, tobacco consumption and other features depending on client requirement
  - Customized Face Models as per client’s geography and other requirements
  - **Create logs** for each transaction that are stored for a set period of time
- **Monitor traffic** and other relevant stats like policy issuance time, if done online
  - Identify individuals with marked difference between model prediction and actual data input by the individual
  - **Create alerts** as per business requirement via SMS/email
Live Instance Snapshot
Try Now!

- https://life.canvos.ai/ (Alternate Demo Link)
  - Login: insurance
  - Pass: demo
Key System Features
Enterprise Friendly Solution

Robust Enterprise Architecture
- **Data Security**
  - We work within client framework and IT infrastructure behind the firewall, resulting in no data leak
- **Data Management**
  - We develop custom connectors to pull and push data from existing master data systems to avoid duplicate information
- **Data Availability**
  - Our systems reside on client network which enables us to take advantage of existing data disaster management policy

Seamless Integration & Response
- **Seamless Scalability**
  - Client site code and API works with existing insurance company website resulting in quick integration.
  - Docker/container based scalable deployment
- **Optimized Bandwidth**
  - Solution optimized to work with even low quality laptop/mobile camera
  - Pre-processing scripts to compress uploaded video frame, resulting in near to zero effect in user experience
- **Actionable Customized Reports**
  - Business intelligence for critical decision making

Latest AI Solution
- **Large Scale Processing**
  - We utilize our fast and accurate proprietary AI algorithms to quickly detect faces in a frame – leads to real time insights
- **Predicted Attributes**
  - Fast models to predict relevant insurance specific fields – BMI, Age, Gender, Medical Attributes, etc.
Few Key Assignments

Using Face Analytics

Facial Analytics for Insurance Industry
- Predict age, gender and lifestyle habits
- Detect frauds and reduce policy issuance time

Emergency Response System for a leading Oil Major
- Accurately identify employees within various facilities
- Provide real-time critical intelligence

Employee Productivity Analysis for a leading start-up
- Generate a comprehensive view of time spent by employees in office
- Provide clear action plans on individuals

Targeted Marketing for retail garment industry
- Market products based on customer age, gender, attire and other attributes in a store
Our Management Team
40+ years of experience in Industrial product development

Navendu Agarwal
CEO & Founder
BS & MS IIT Bombay
Serial Entrepreneur

Ankita Jain
VP Industrial Solutions
BS Mechanical Engineering
Ex Infosys and Caterpillar

Sanjay Bhandari
VP Digital Assistant Solutions
BS IIT Bombay
Ex Oracle
Our Trusted Partners

*Integrating our innovations for global solutions*

- Publicis Groupe
- thesocialclinic
- PivotRoots
- Tarento
- Sodel
- Pangolin Capital