Biyometrik Parmak İzinin Akıllı Kartlarla Kullanımı ve Uygulaması

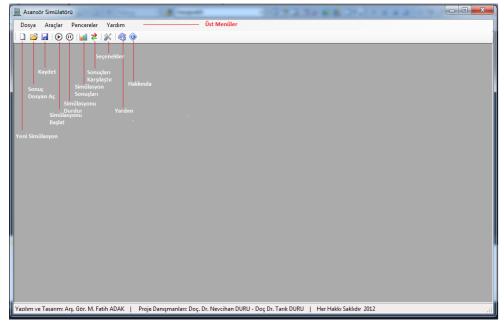
Ali SÖYLEMEZ Bilgisayar Mühendisliği Bölümü Sakarya Üniversitesi ali.soylemez@sakarya.edu.tr

Giriş

Binalardaki Perhaps the most enjoyable emotion, however, was the sense of personal fulfillment. When it came to hacking, Stallman was a natural. A childhood's worth of late-night study sessions gave him the ability to work long hours with little sleep. As a social outcast since age 10, he had little difficulty working alone. And as a mathematician with built-in gift for logic and foresight, Stallman possessed the ability to circumvent design barriers that left most hackers spinning their wheels. Perhaps the most enjoyable emotion, however, was the sense of personal fulfillment. When it came to hacking, Stallman was a natural. A childhood's worth of late-night study sessions gave him the ability to work long hours with little sleep. As a social outcast since age 10, he had little difficulty working alone. And as a mathematician with built-in gift for logic and foresight, Stallman possessed the ability to circumvent design barriers that left most hackers spinning their wheels. Perhaps the most enjoyable emotion, however, was the sense of personal fulfillment. When it came to hacking, Stallman was a natural. A childhood's worth of late-night study sessions gave him the ability to work long hours with little sleep. As a social outcast since age 10, he had little difficulty working alone. And as a mathematician with built-in gift for logic and foresight, Stallman possessed the ability to circumvent design barriers that left most hackers spinning their wheels.

Çizelge 1: analiz sonuçları Minimum Ø Average T Average ϕ k-means++ k-means k-neans++ k-means k-means++ 46.72% $1.174 \cdot 10^{6}$ 87.79% $4.233 \cdot 10^4$ 99.96% $1.914 \cdot 10^4$ 99.92%0.90 $7.750 \cdot 10^{3}$ 99.81% $1.474 \cdot 10^{1}$ 0.53%-1.62%2.04

Geliştirilen Yazılım





Şekil 1: Simülatörün ana ekranı.

Şekil 2: Simülasyon ekranı.

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Kullanılan Yöntem

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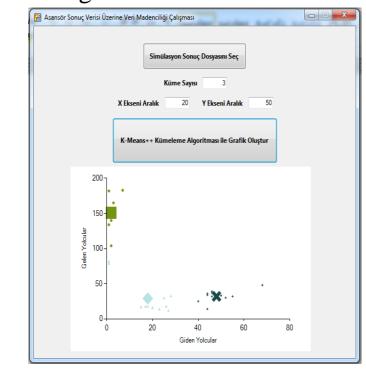


Şekil 3: Üretilen veri örneği.

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Geliştirilen Ek Program

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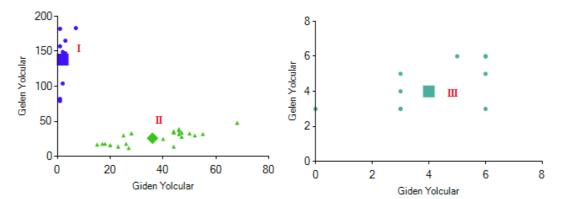


Şekil 4: Ek program görüntüsü.

Veli DUYMAZ, Mehmet UYDURUR Bilgisayar Mühendisliği Bölümü Sakarya Üniversitesi Veli_duymaz@gmail.com, mehmet.uyd@hotmail.com

Oluşabilecek Durumlar

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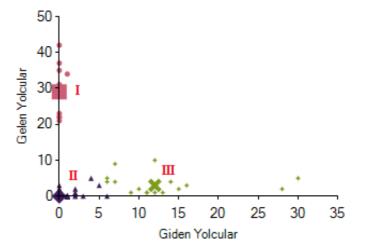


Şekil 5: Kümeleme sonucunda oluşabilecek durumlar.

Bir Okul Örneği

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| Saat Dilimi | Trafik Türü | Dağılımdaki Yolcu Sayısı |
|---------------|------------------|--------------------------|
| 8:00 - 9:00 | Yukarı Yoğun | 20 |
| 9:00 - 10:00 | Yukarı Yoğun | 1 |
| 10:00 - 11:00 | Yok | - |
| 11:00 - 12:00 | Yok | - |
| 12:00 - 13:00 | İki Yönlü Trafik | 12 |
| 13:00 - 14:00 | Yok | - |
| 14:00 - 15:00 | Yok | - |
| 15:00 – 16:00 | Aşağı Yoğun | 20 |
| 16:00 - 17:00 | Aşağı Yoğun | 1 |



Şekil 6: Okulun asansör trafiği için kümeleme sonucu

Perhaps the most enjoyable emotion, however, was the sense of personal fulfillment. When it came to hacking, Stallman was a natural. A childhood's worth of late-night study sessions gave him the ability to work long hours with little sleep. As a social outcast since age 10,

Sonuçlar

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Ek A

