





## Combatting Modern Slavery Through the Power of Data Driven Technologies

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# **Civil Service Data** Challenge 2023





Launched in October 2021 by Minister Alex Burghart



Winner receives monetary and leadership support



120+ ideas submitted



Longlist of 8 ideas to shortlist of 4 ideas

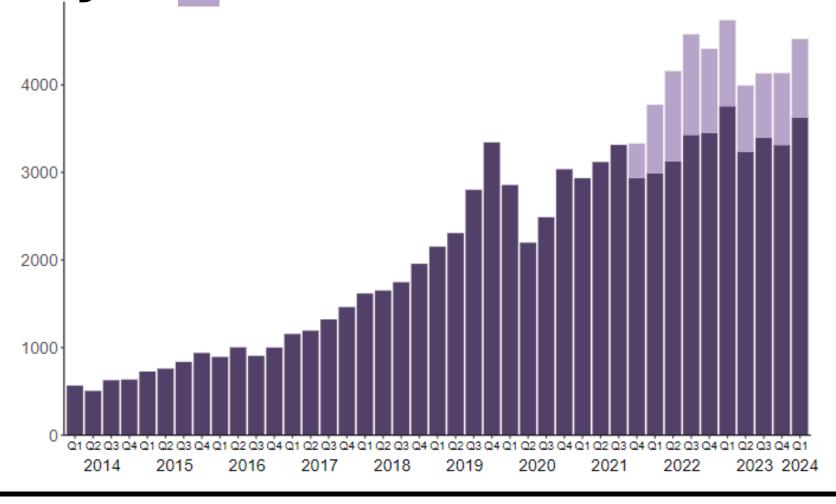


Winner emerges from Dragon's Den style presentation

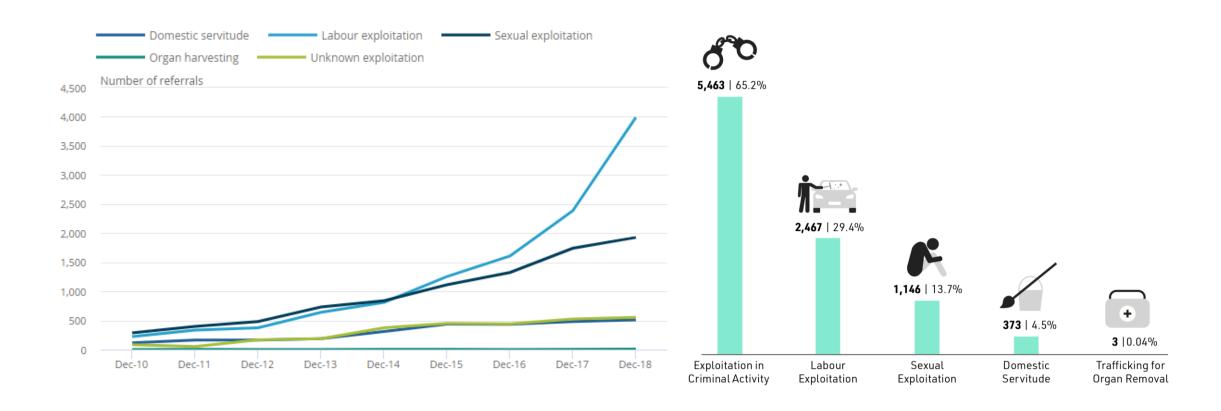
The Problem – Modern Slavery

**SCA** – Single Competent Authority

IECA – Immigration Enforcement Competent Authority



### **Labour Exploitation**





### **Our Aim**

Identifying and indicating where modern slavery may be happening through data-driven intelligence.

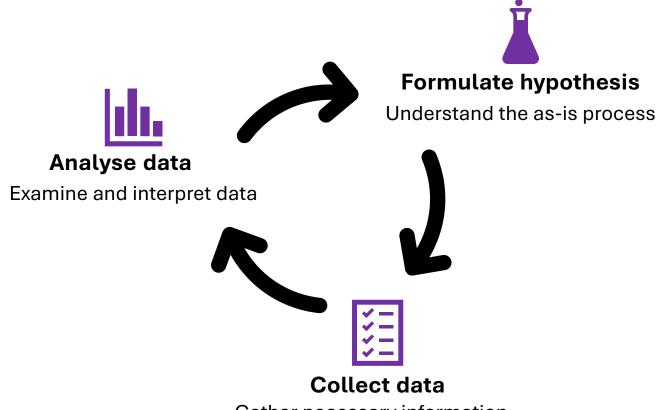
Innovative disruption of modern slavery activities.

Enhancing knowledge of datasets and establishing their correlation to modern slavery in UK businesses.



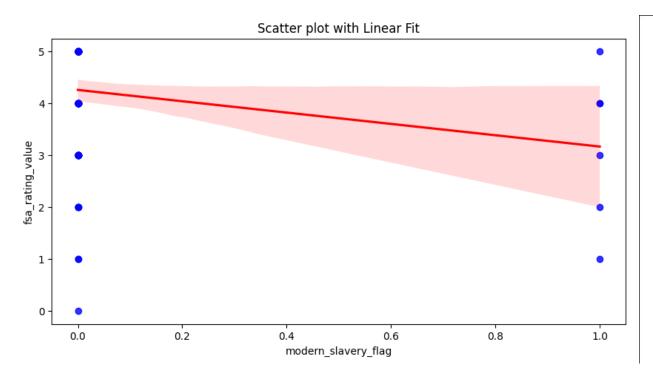
#### **Approach Objective** Understand data landscape. **Outcome** We mapped data sets for investigation & further research. **Objective** Identify two business types. **Objective Outcome** Establish data governance. Hot food eateries & 1 **Outcome** convenience stores 冊 chosen. Liaised with data owners to understand DPIAs, and setup secure environment. **Objective Objective** Understand next steps Quantitative correlational analysis. **Outcome Outcome** Recommendations provided post Data Discovery. In development.

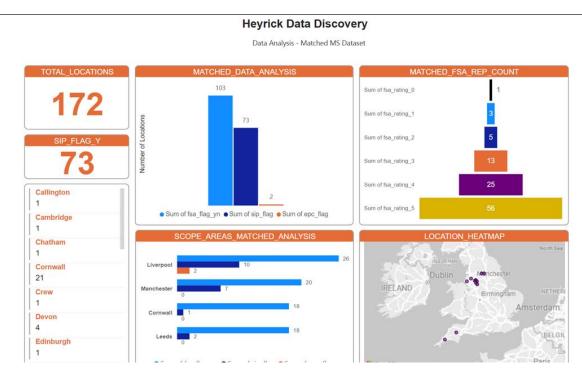
## **Data Discovery**



Gather necessary information

### **Data Discovery**





### Challenges



Cross-government volunteers



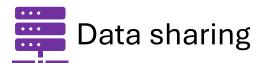
Data quality & standardisation



Data aggregation & collection



Data analysis





Data governance & ethics

### Heyrick's potential

#### **Operational**

Law enforcement, social services & safeguarding

#### **Interventional**

Alerts users to possibly intervention targets

#### Collaboration

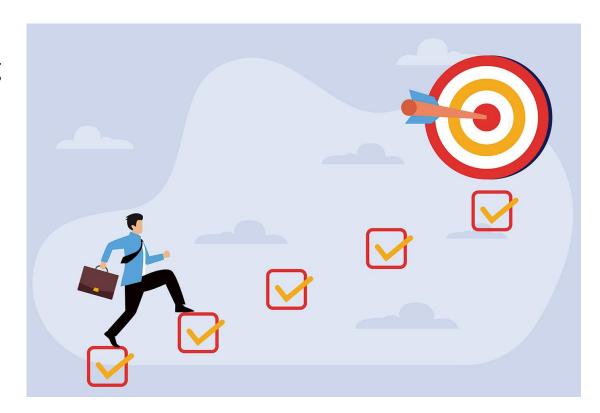
OGDs, local government, and further

#### **Machine learning**

To increase analysis & expand scope

#### **Prevention**

Trend analysis to inform prevention activities





### Conclusion

Government data has the potential to make a huge positive impact. Heyrick is using it to uncover and help prevent modern slavery.

"If you want to go fast, go alone.

If you want to go far, go together"