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NCSBN APRN Roundtable
April 9, 2024

Stathis, Dr Ivan Pete

D<u>r Piyawatılı</u> eti iffi edilimler və Tağlında döğlidi. _Ezadla _Bələr Şiləyələ Allıda ili döğlidə döğlidi. Allıda

Rrofeczor Ann Gallanber (Brunel Maiversity, IM)

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Is the regulatory environment ready for AI?



- Nurse Discipline
- There are a small number of high risk nurses
- 70+% of cases require no regulatory action
- Better use of data may help to focus on higher order risks and improve regulation



Research Question

Can we develop new tools to aid regulatory decision making in disciplinary work?

Aim

- Calculate risk level from complaints data
- Link cases to regulatory standards
- Link cases to previous similar cases
- Reduce the workload for regulators

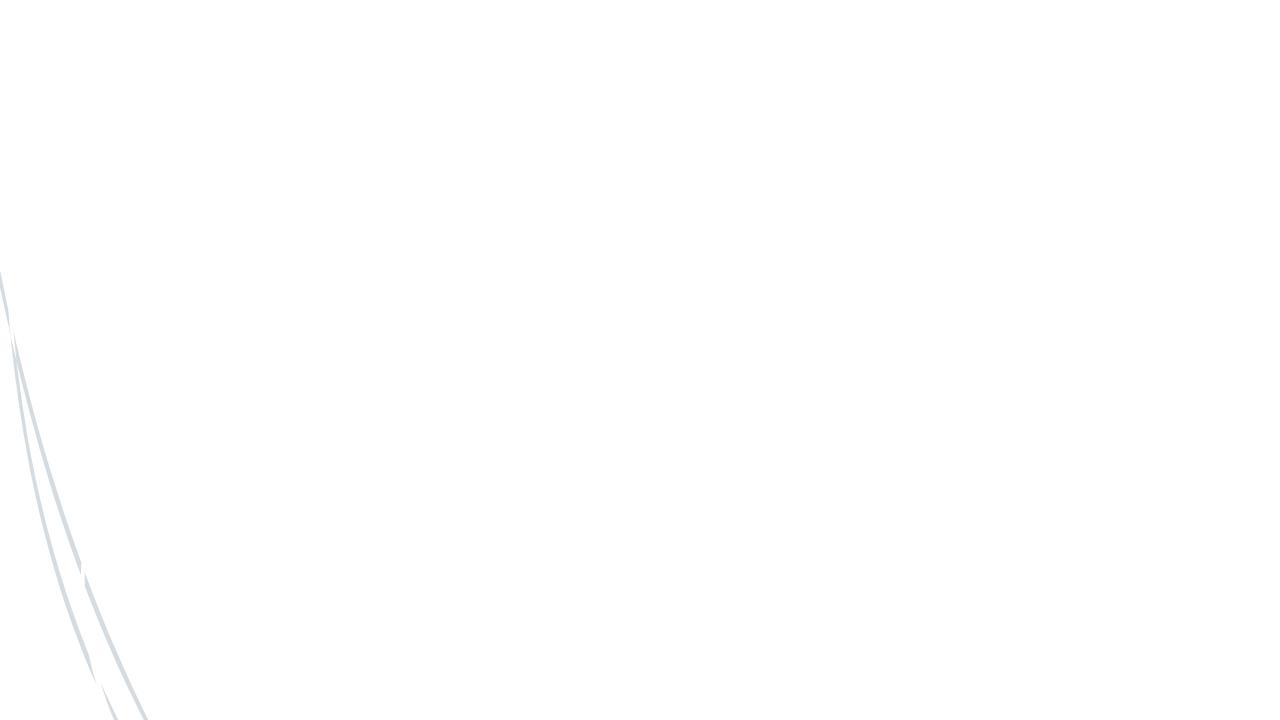
Design principles fairness, accountability sustainability transparency (Leslie, 2019)

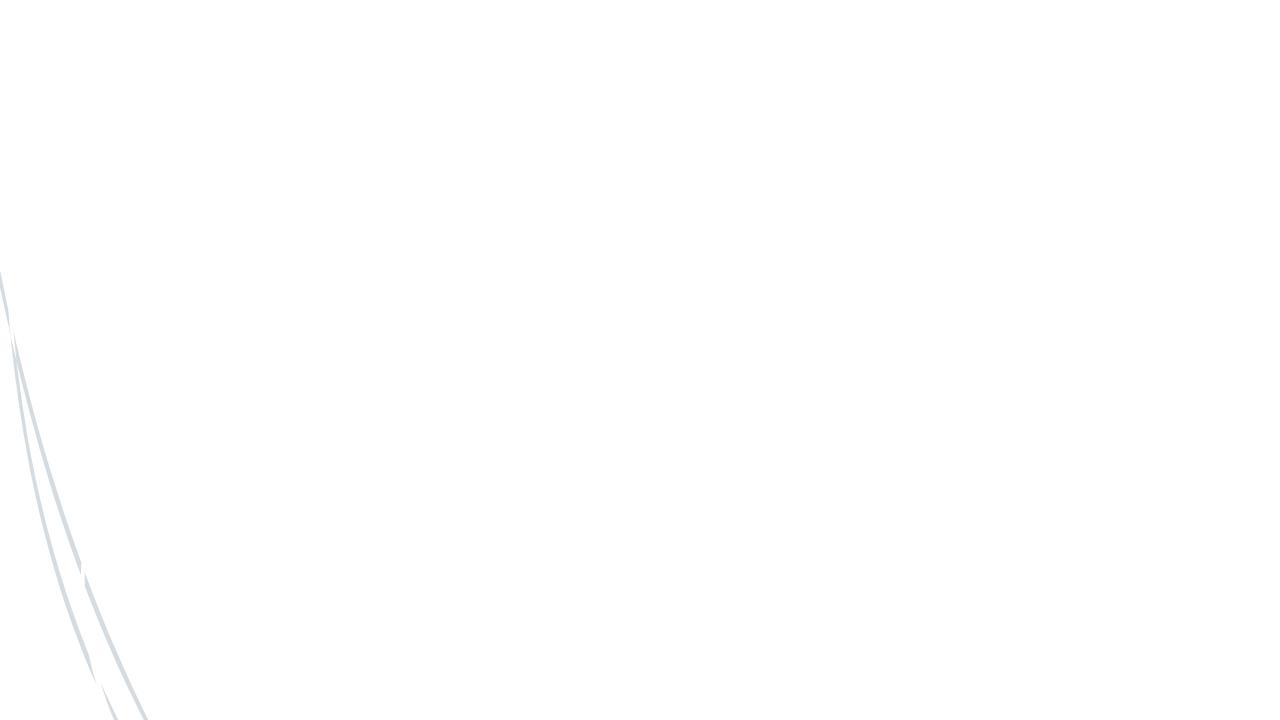


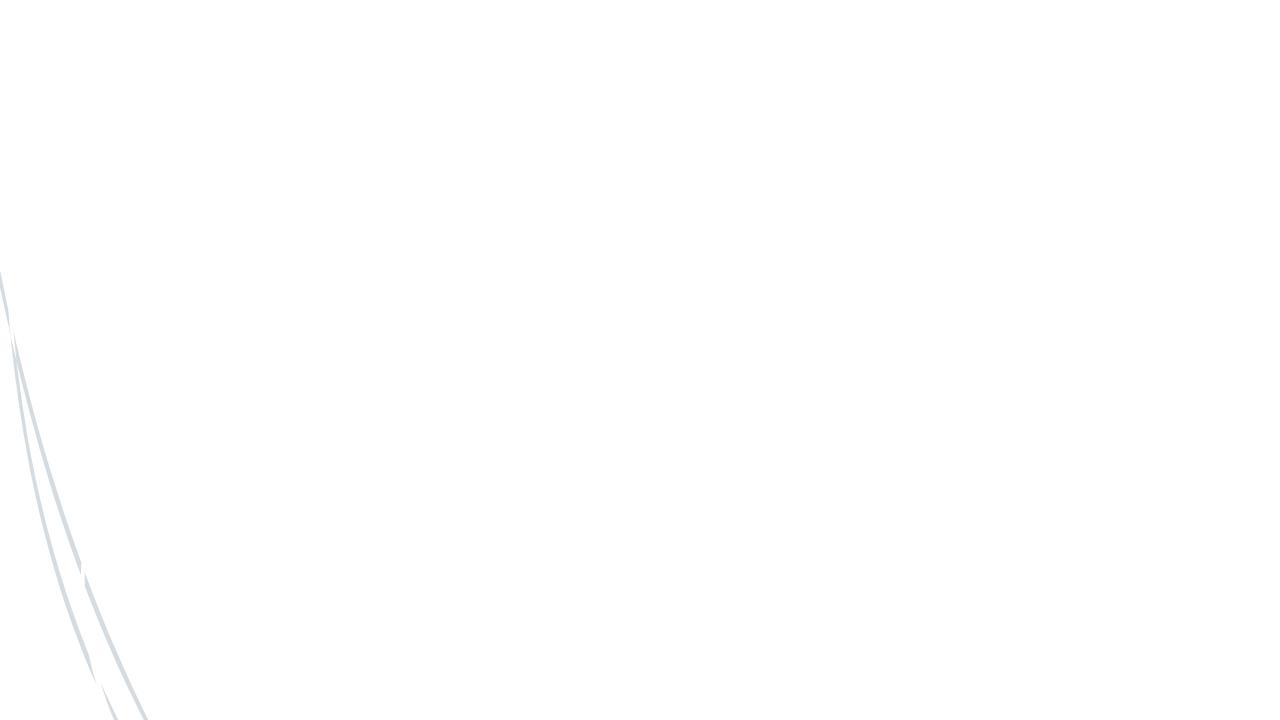
Methodology

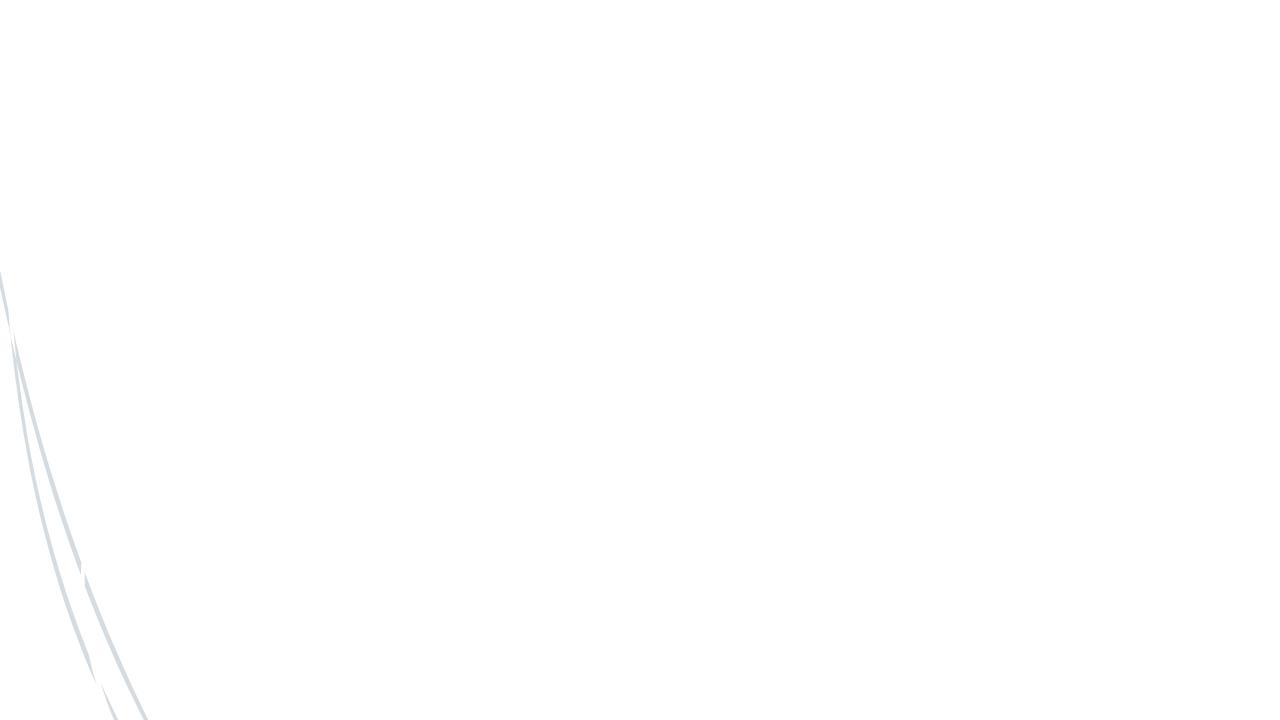
Quantitative and Qualitative summary

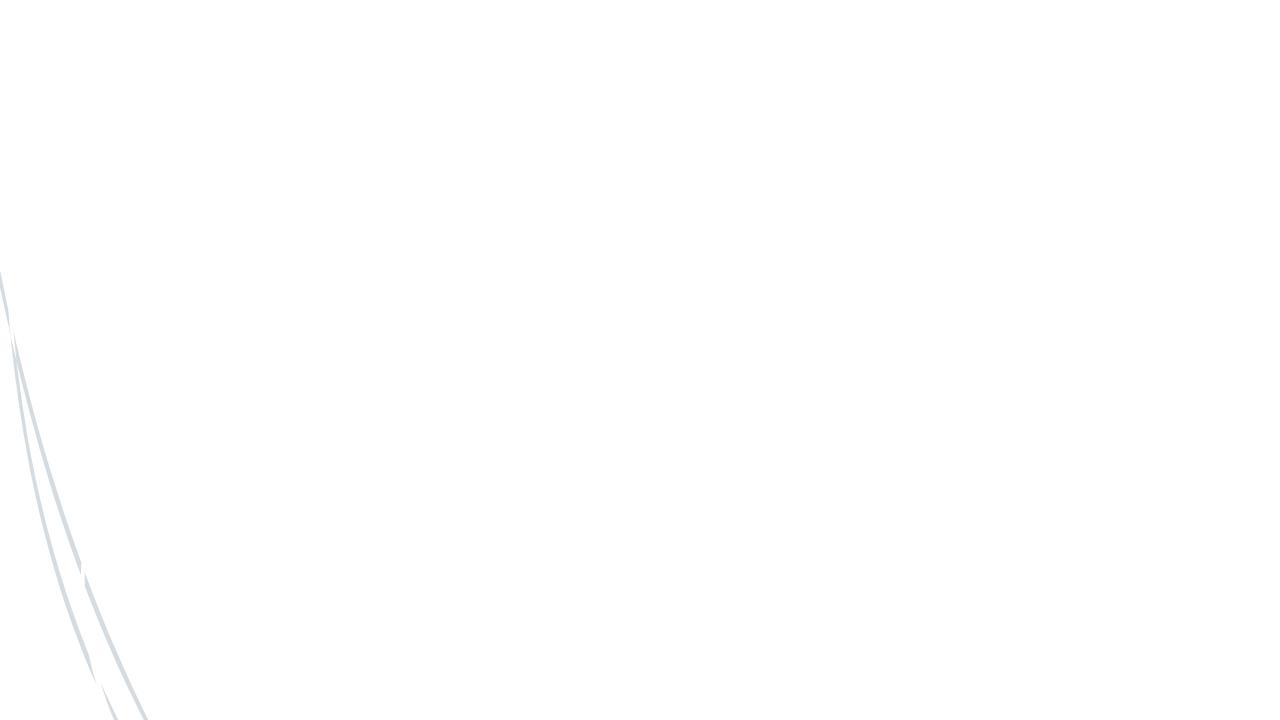
- ! 5,700 (anonymized) disciplinary cases (US,UK,Australia)
- ! Reliability testing of prototype
- ! Gender debiasing techniques
- ! Qualitative testing with regulatory staff

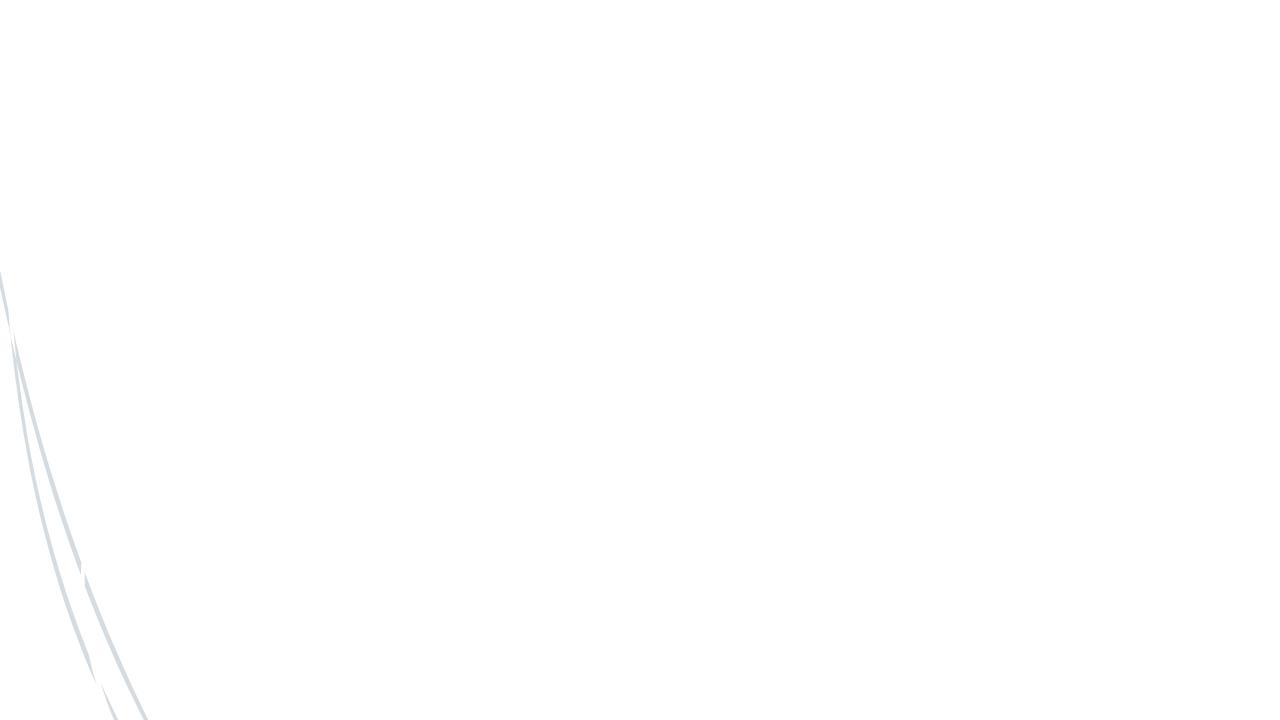


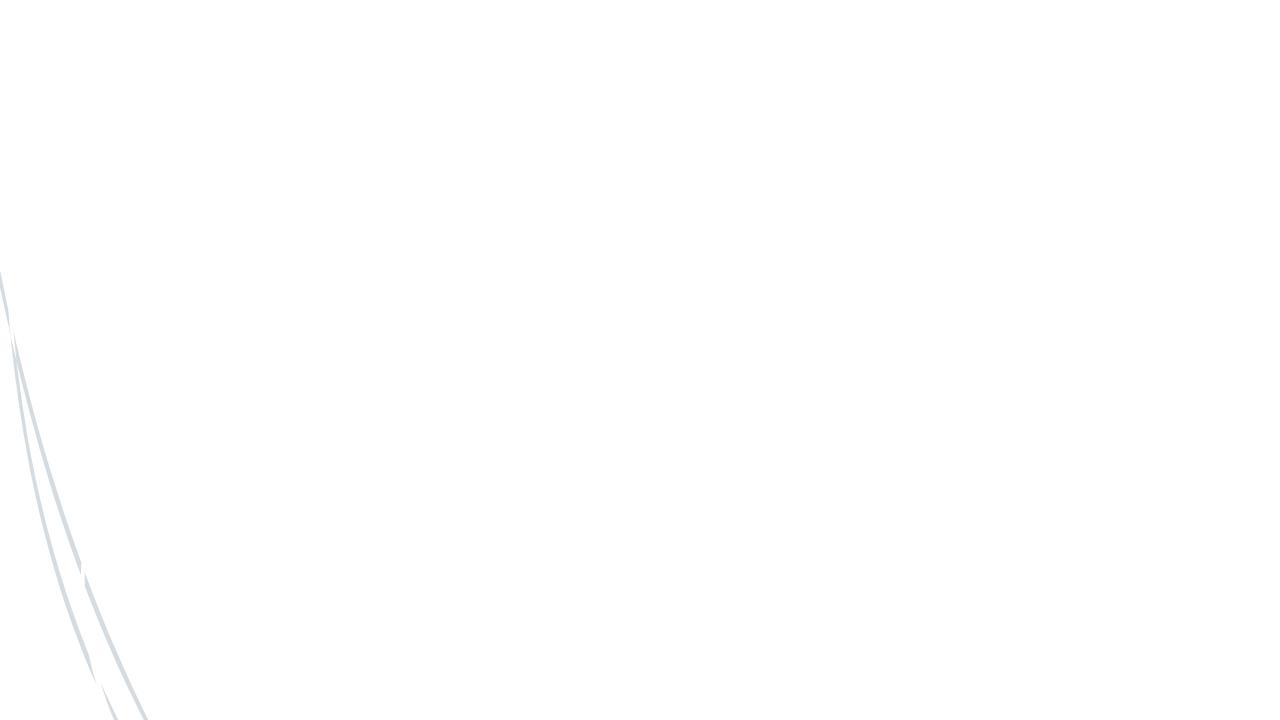


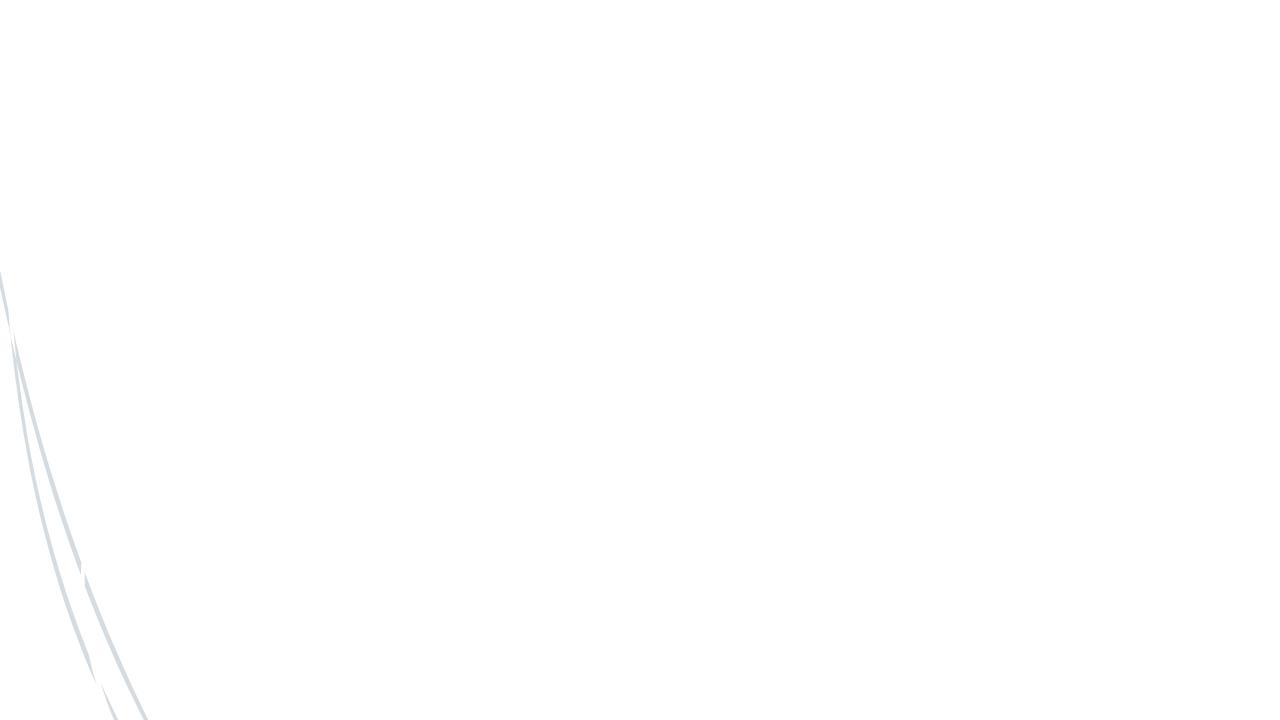


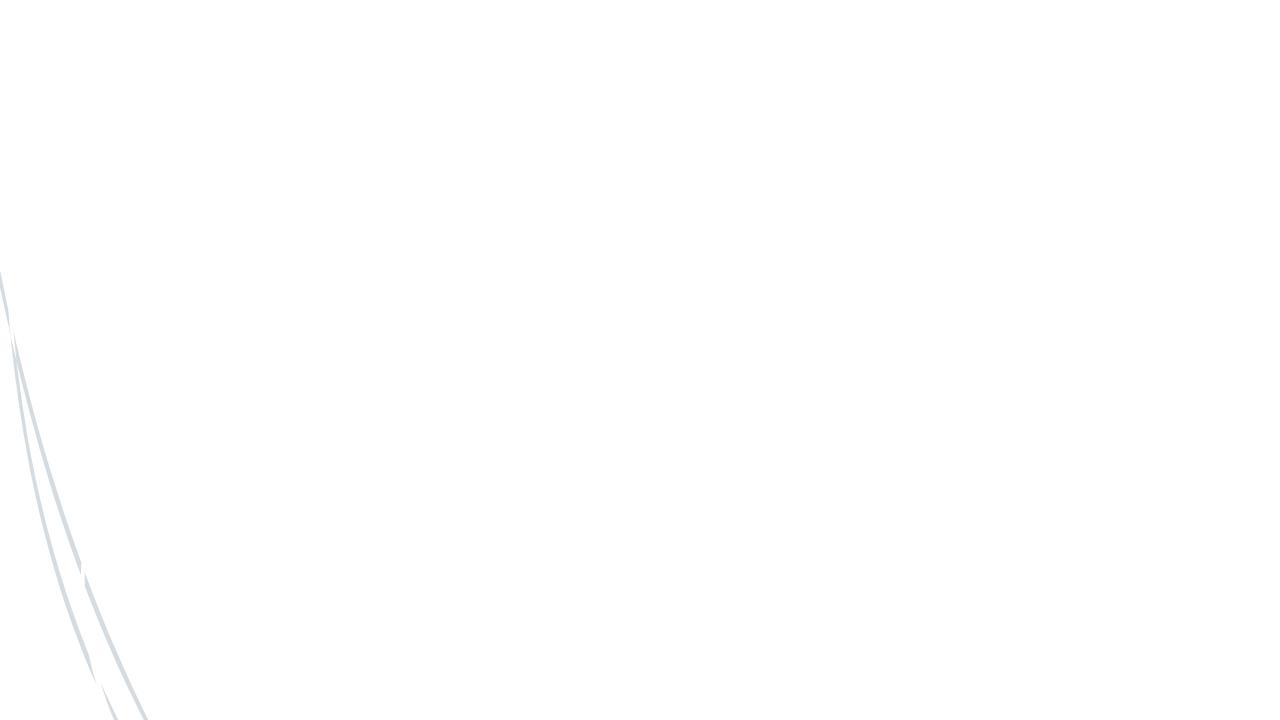














References

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