

Clinical Outcome Validation of Embryo Grading Using Data Analytics

AssessmentDate 6/1/2022 - 12/31/2024	Morphology_Gra... <input type="checkbox"/> 1AA <input type="checkbox"/> 2AB	EmbryologistID <input type="checkbox"/> EMB01 <input type="checkbox"/> EMB02	Day 3 5	AIGrade <input type="checkbox"/> A <input type="checkbox"/> B	PatientAge 23 - 50
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Embryo_Id Count

28K

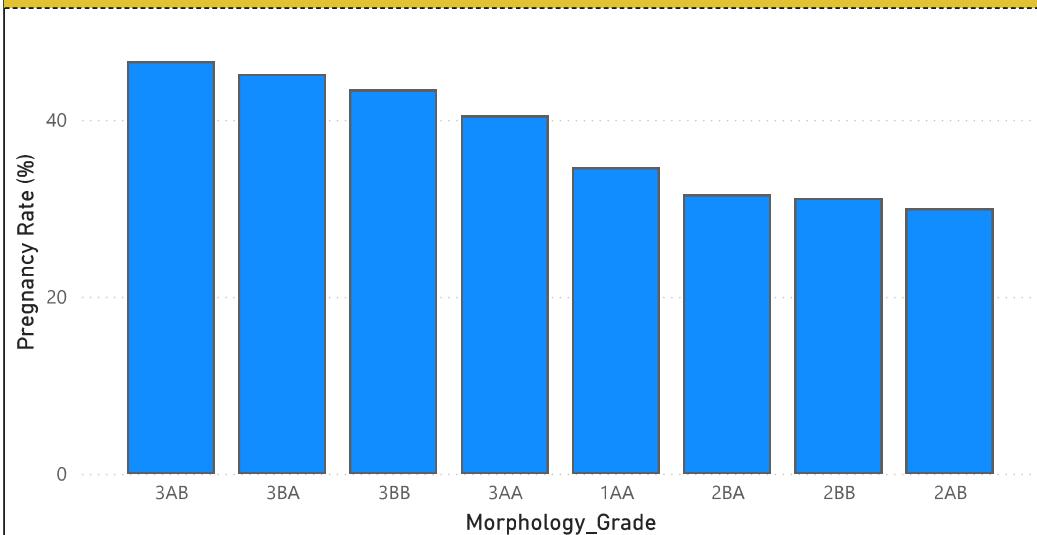
Total pregnancies

9K

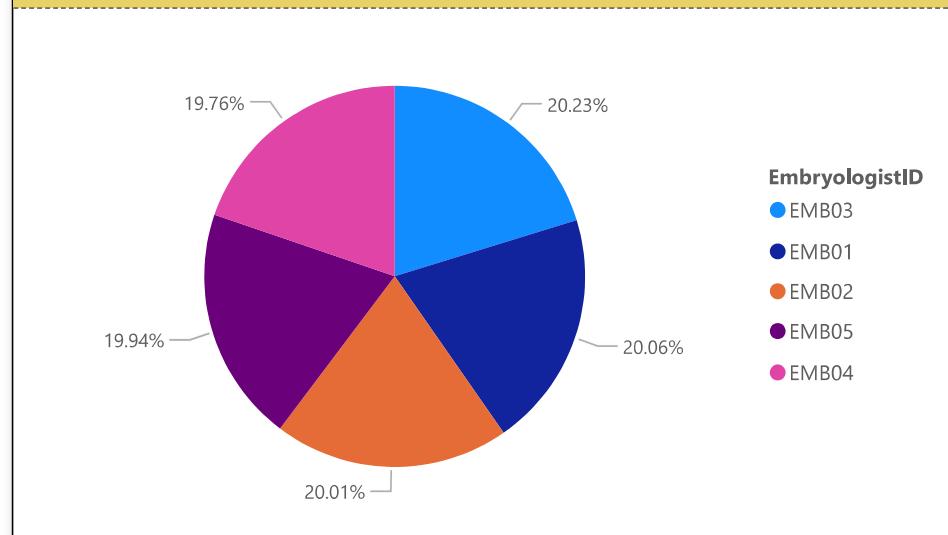
Pregnancy Rate (%)

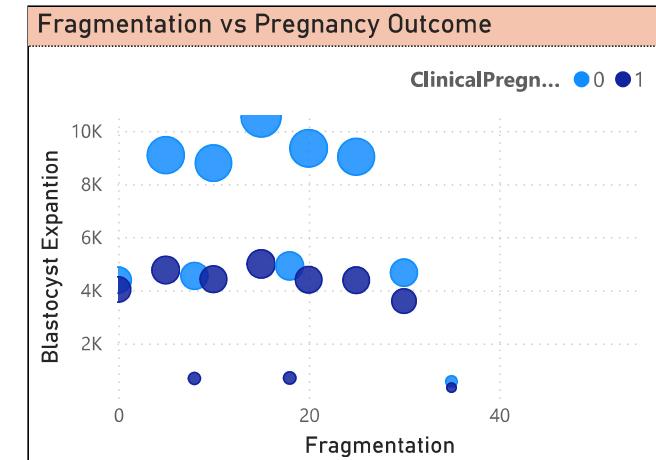
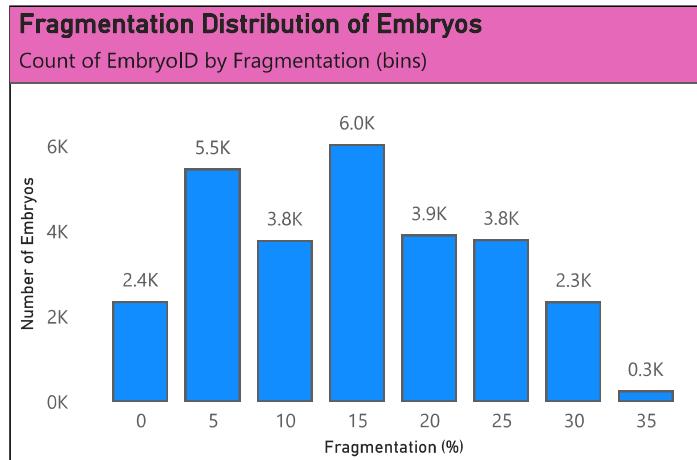
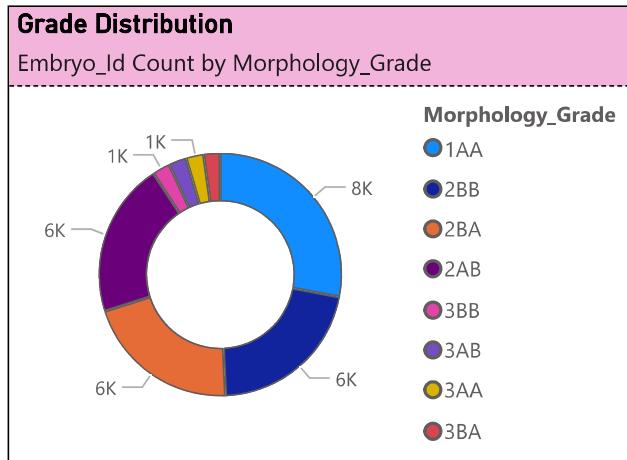
33.10

Pregnancy Rate (%) by Morphology_Grade

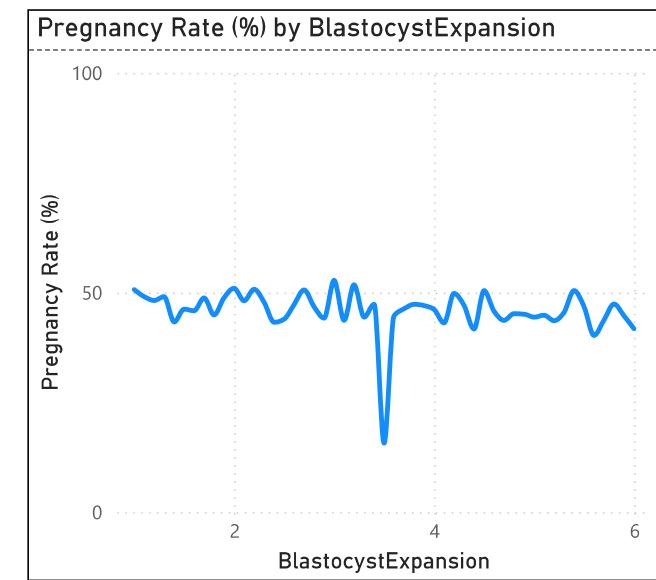
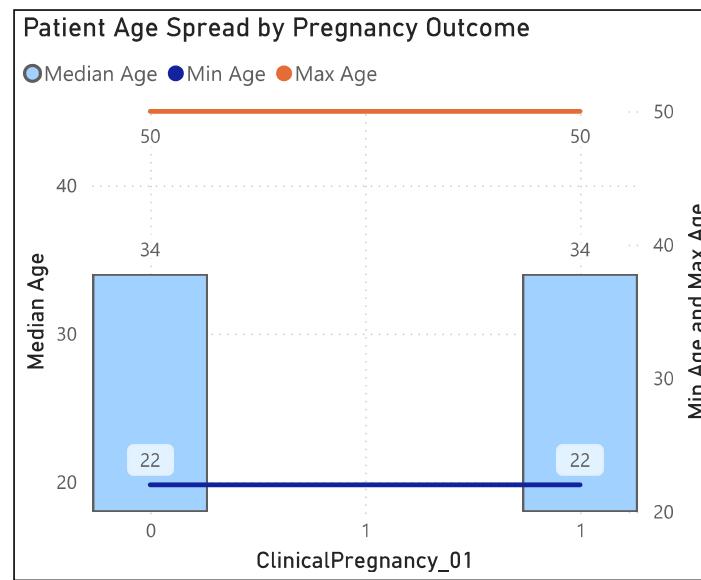


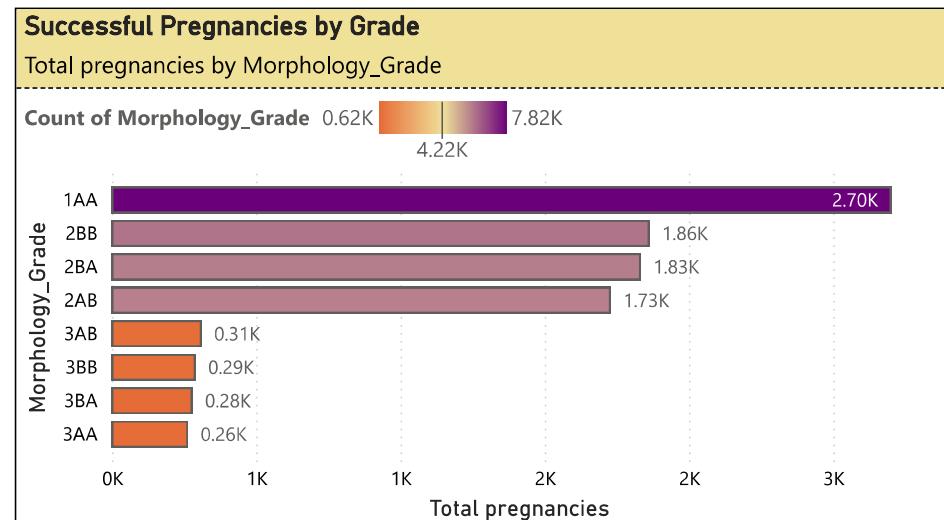
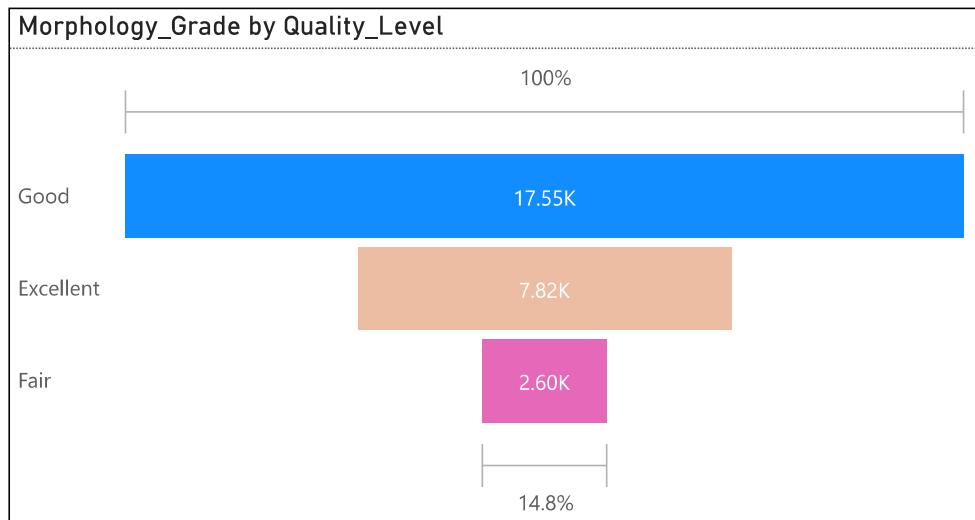
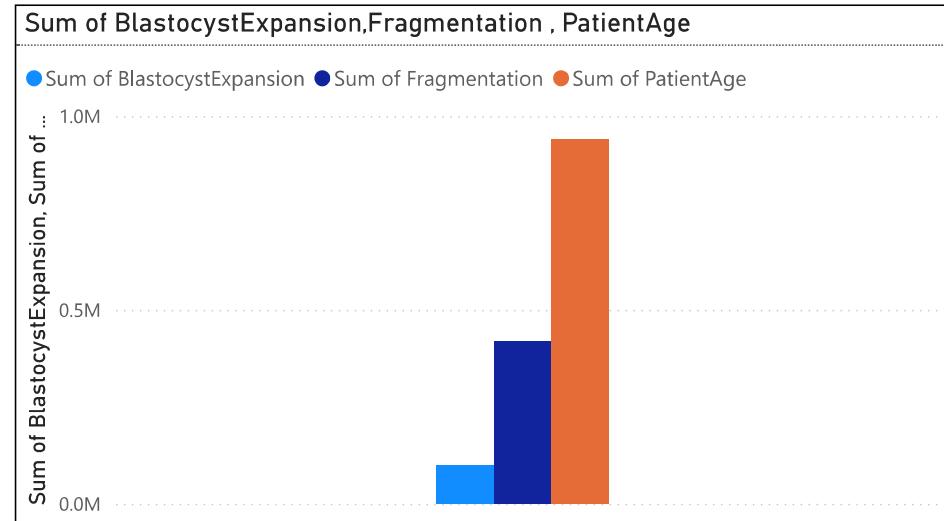
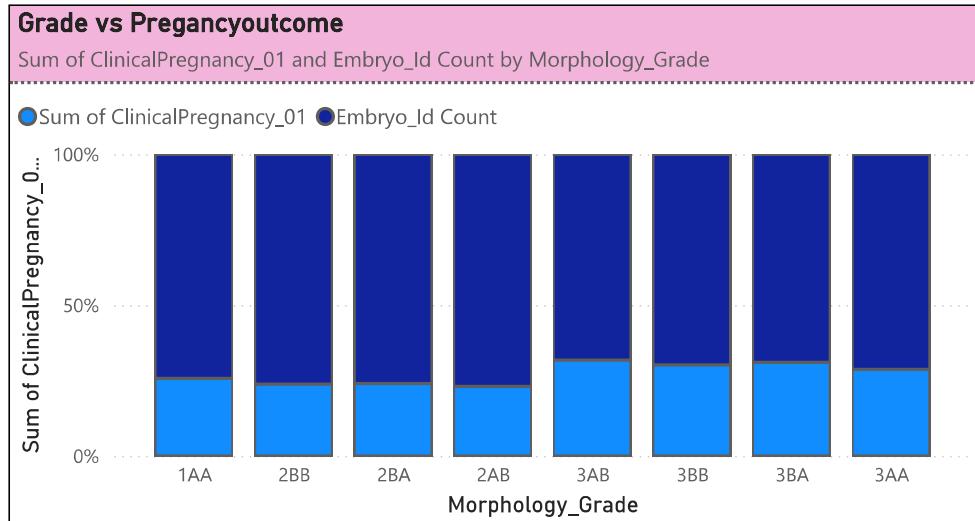
Total no.of MorphologyGrade by EmbryologistID

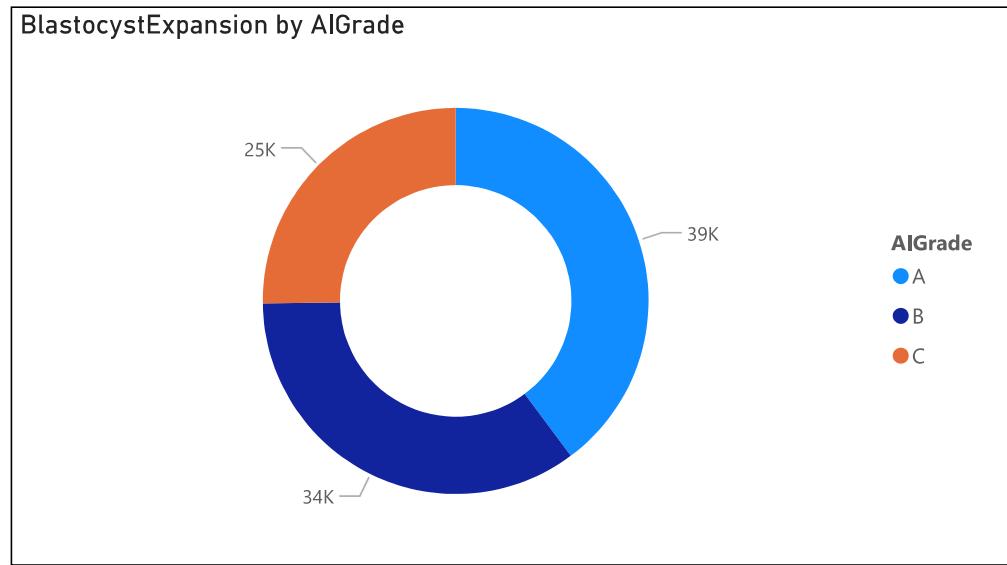
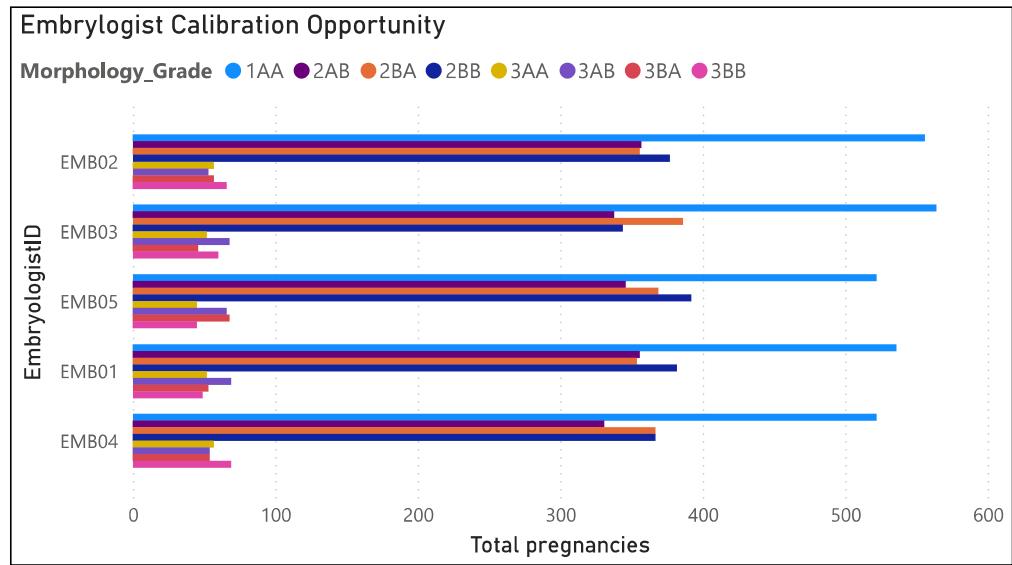
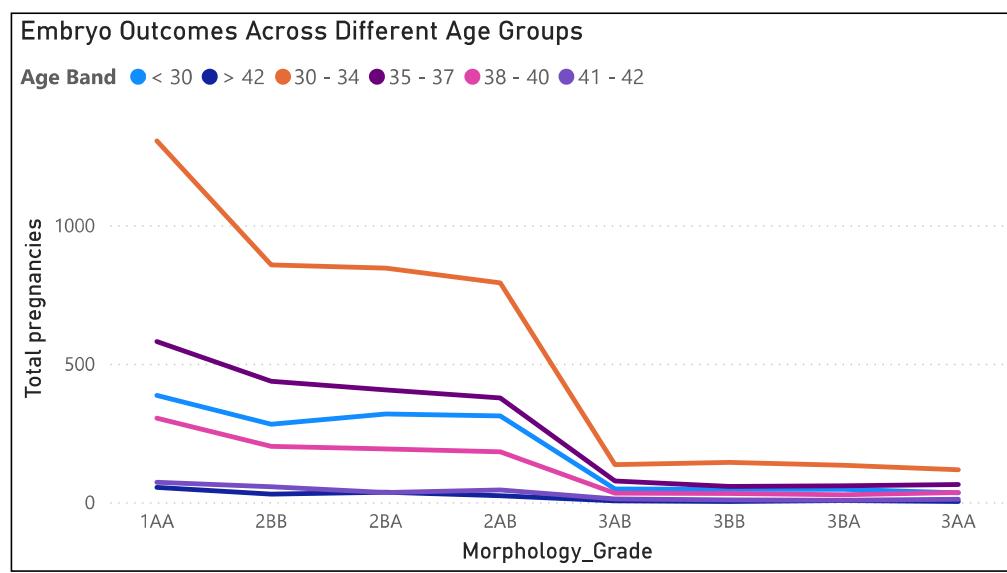
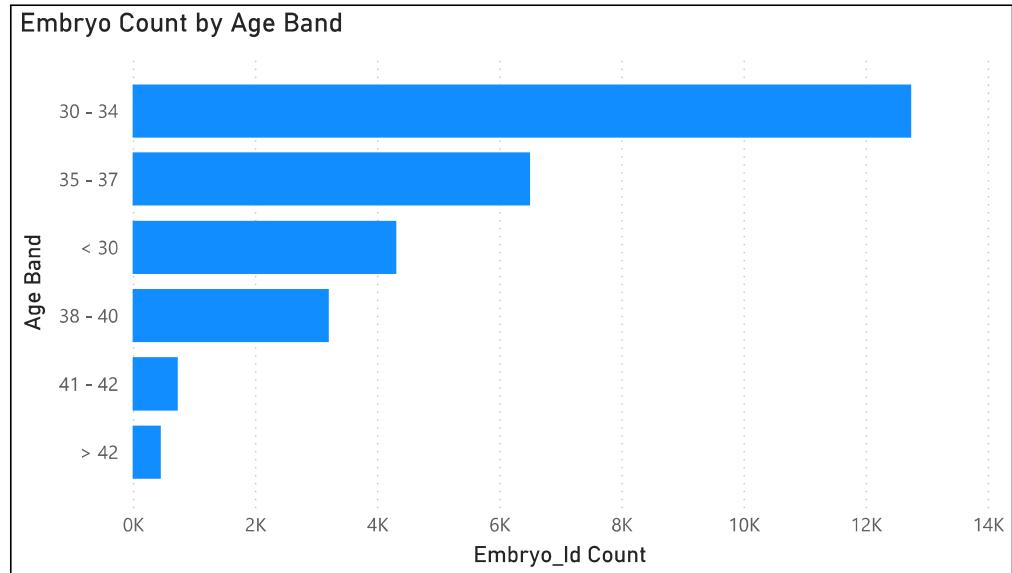


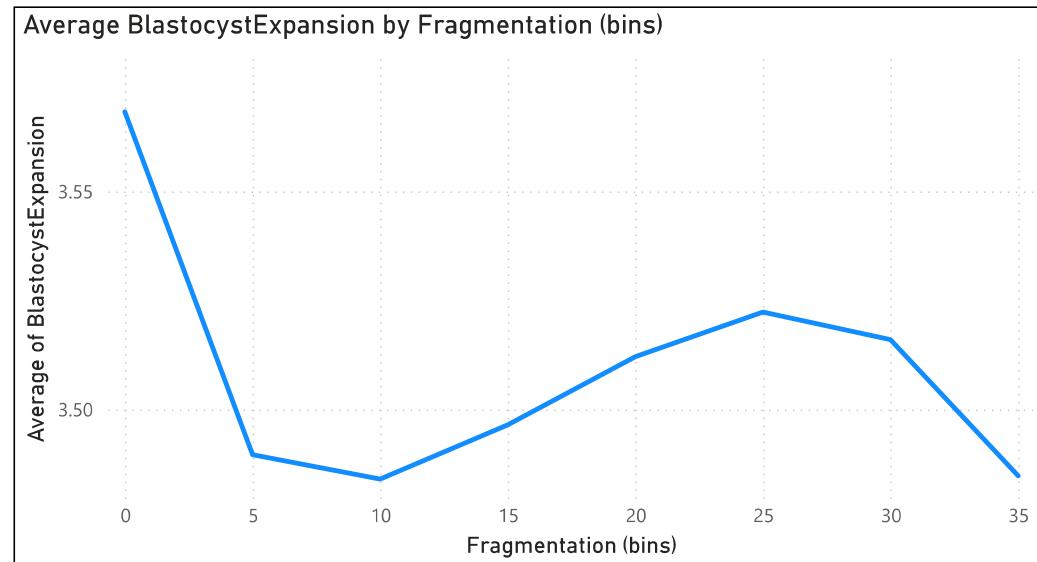
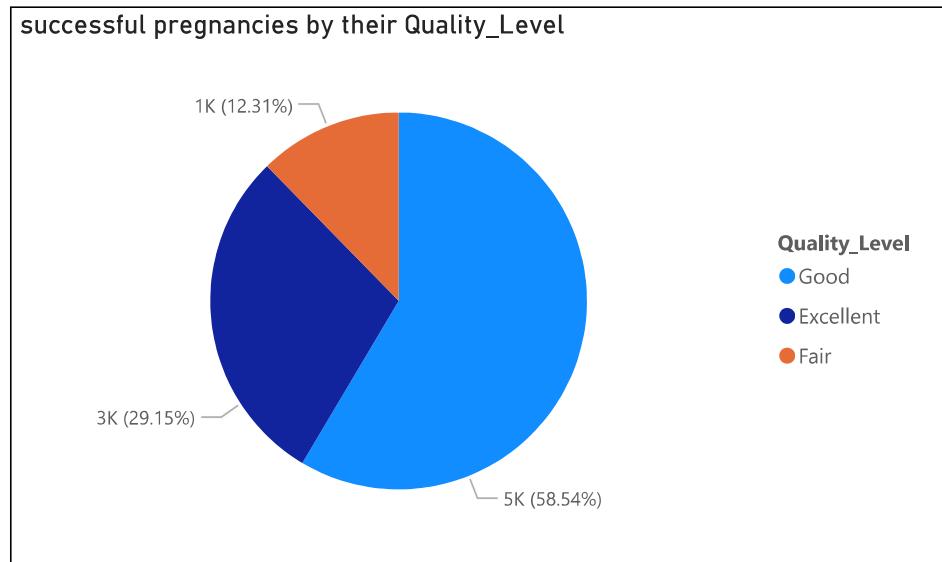
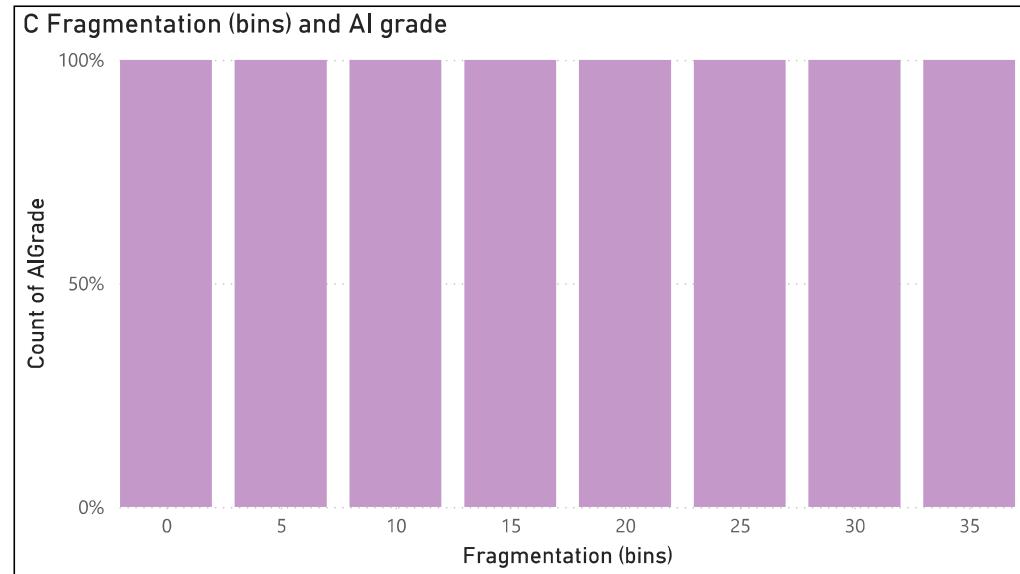
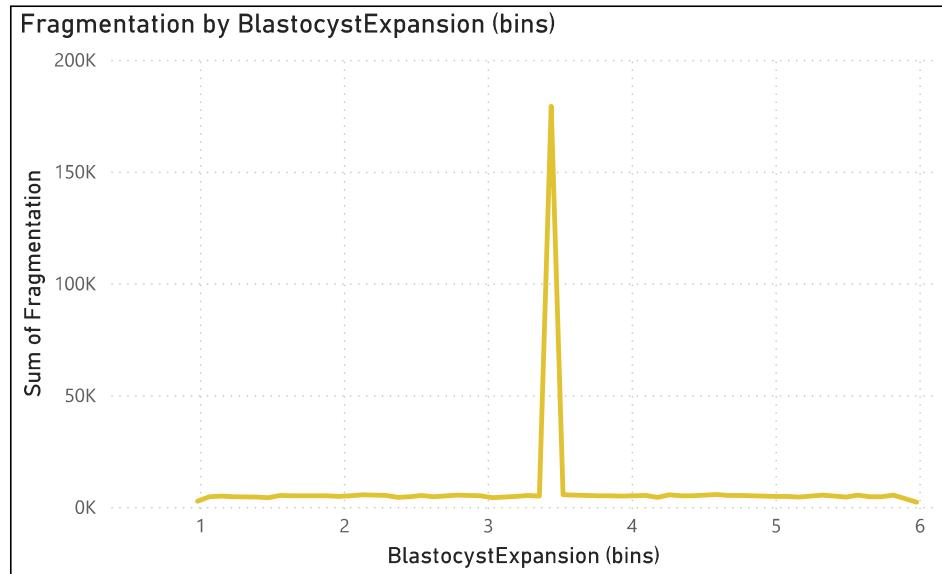


Year	Embryo_Id	Count	Morphology_Grade	AIGrade	Qual
2022	1	1	1AA	A	Excel
2022	7	1	1AA	B	Excel
2022	3	1	1AA	C	Excel
2022	5	1	2AB	A	Good
2022	3	1	2AB	C	Good
2022	3	1	2BA	A	Good
2022	3	1	2BA	B	Good
2022	3	1	2BA	C	Good
2022	6	1	2BB	A	Good
2022	5	1	2BB	B	Good
2022	5	1	2BB	C	Good
2022	2	1	3AA	A	Fair
2022	1	1	3AB	C	Fair
2022	2	1	3BA	C	Fair
Total		27975			









Morphology Grade vs AI Grade — Human vs AI Visualization

AssessmentDate

6/1/2022 12/31/2024

Morphology_Grade

- 1AA
- 2AB
- 2BA
- 2BB

EmbryologistID

- EMB01
- EMB02
- EMB03
- EMB04

Day

3 5

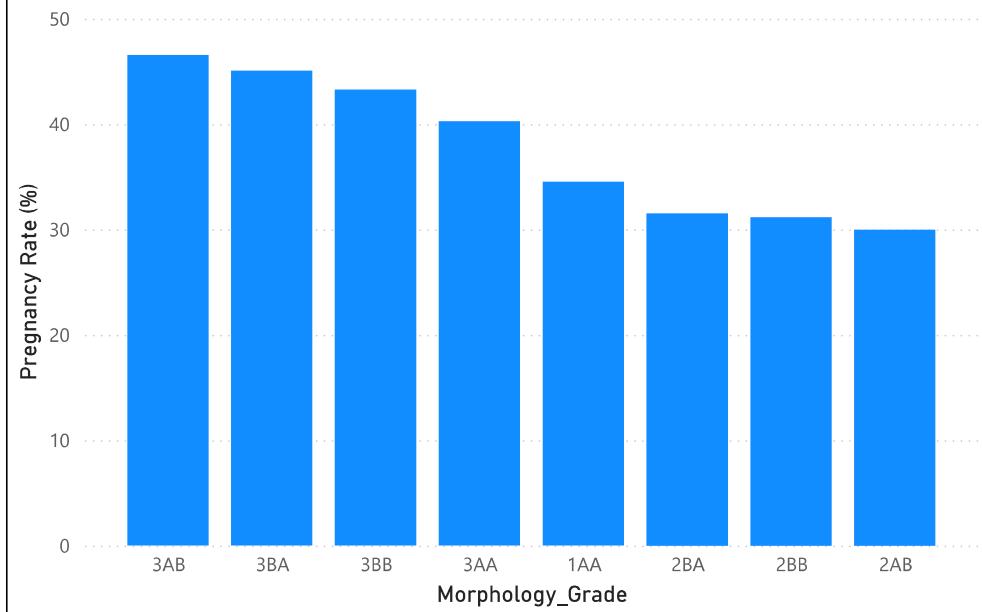
AIGrade

- A
- B
- C

PatientAge

22 50

Pregnancy Rate (%) by Morphology_Grade



Pregnancy Rate (%) by AIGrade

