

Clinical Outcome Validation of Embryo Grading Using Data Analytics

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

28K

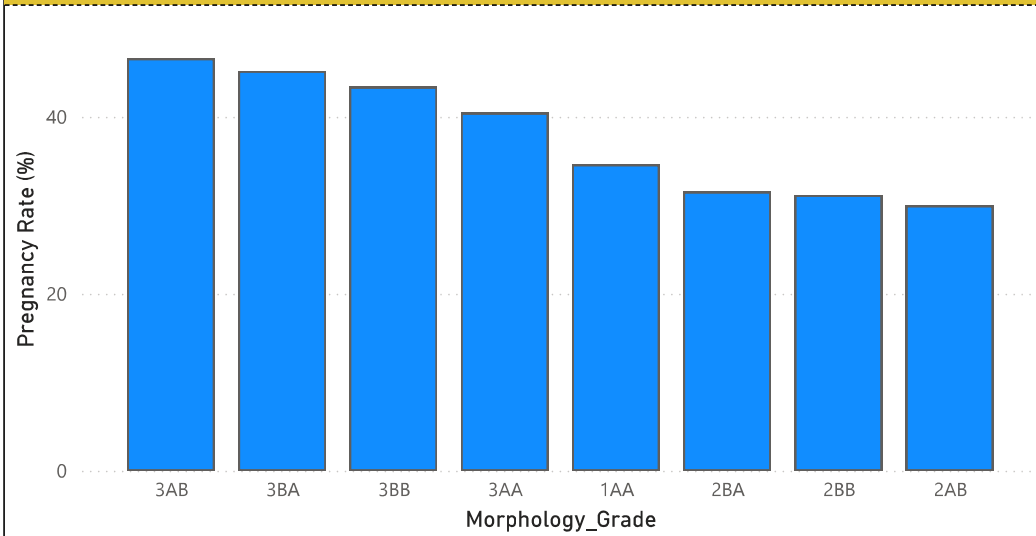
Total pregnancies

9K

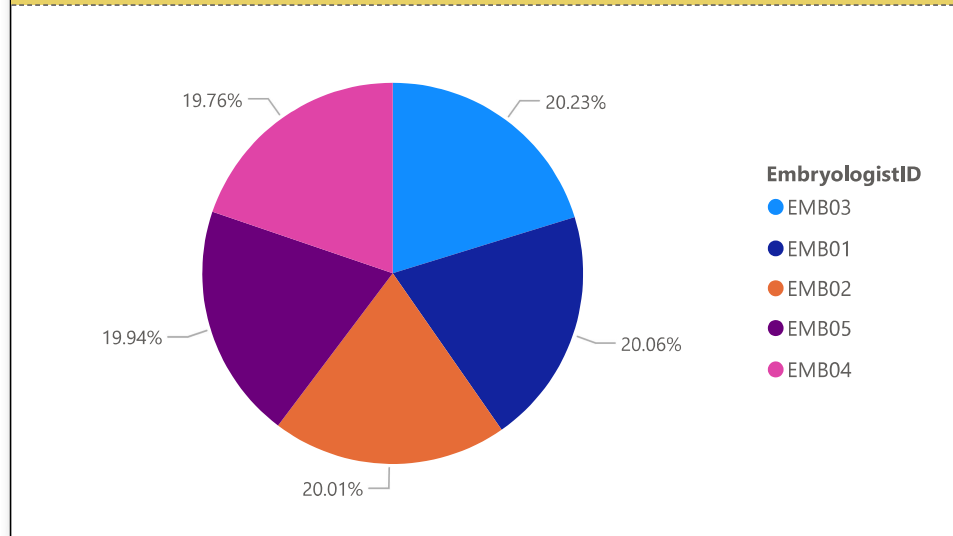
Pregnancy Rate (%)

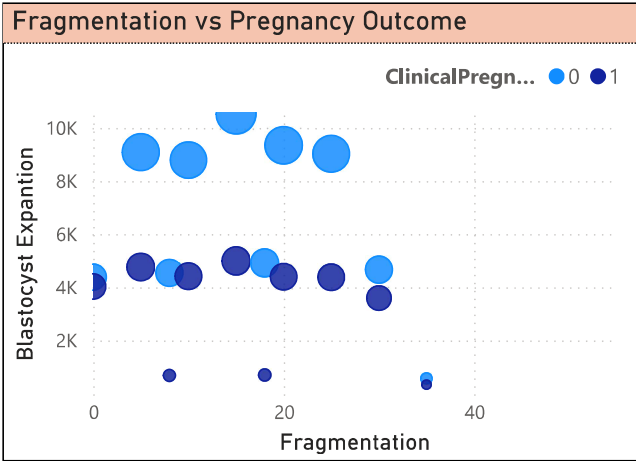
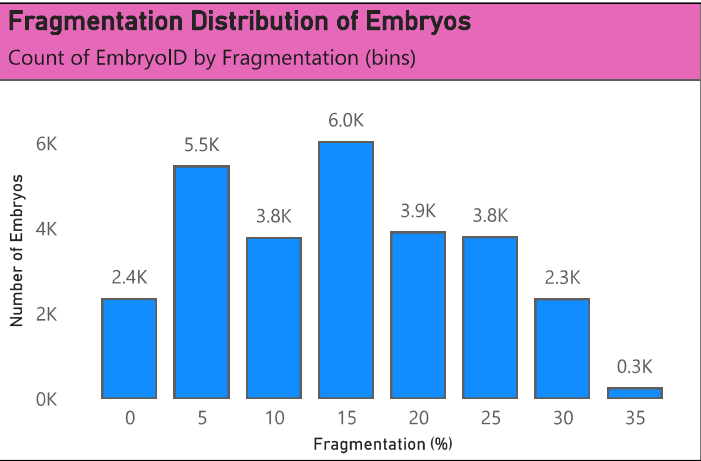
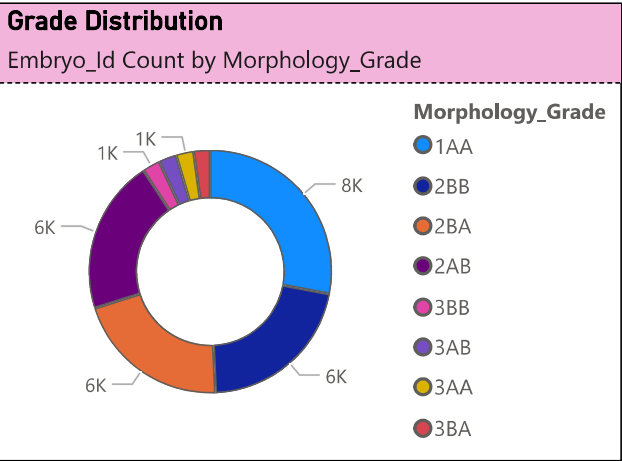
33.10

Pregnancy Rate (%) by Morphology_Grade

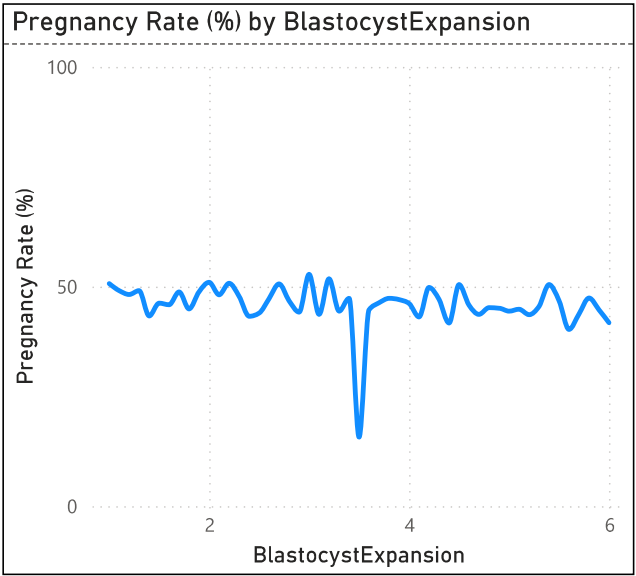
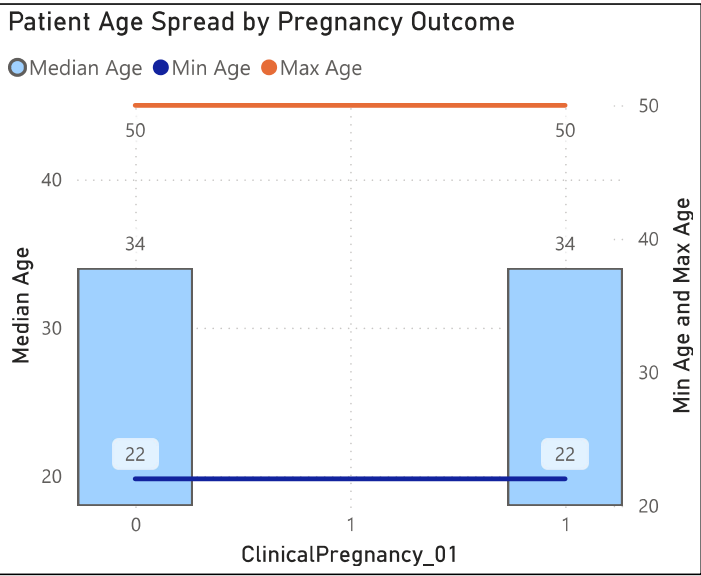


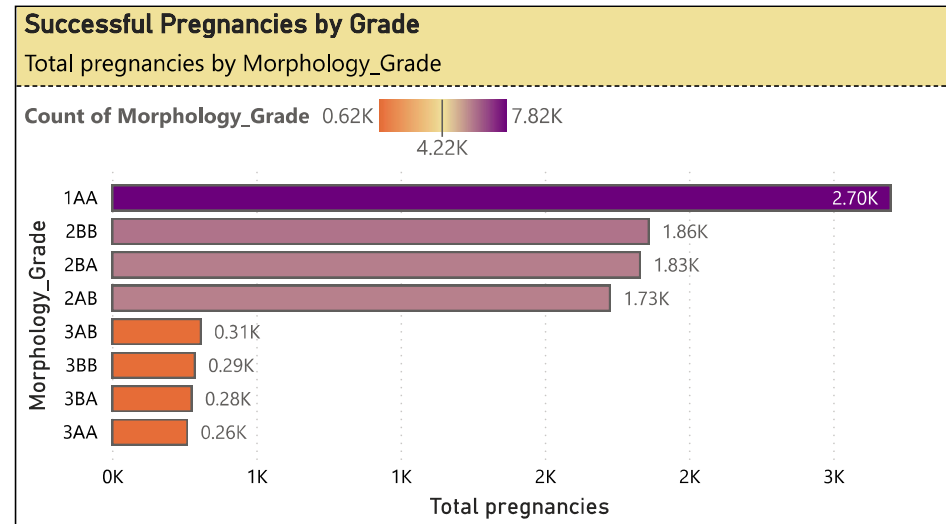
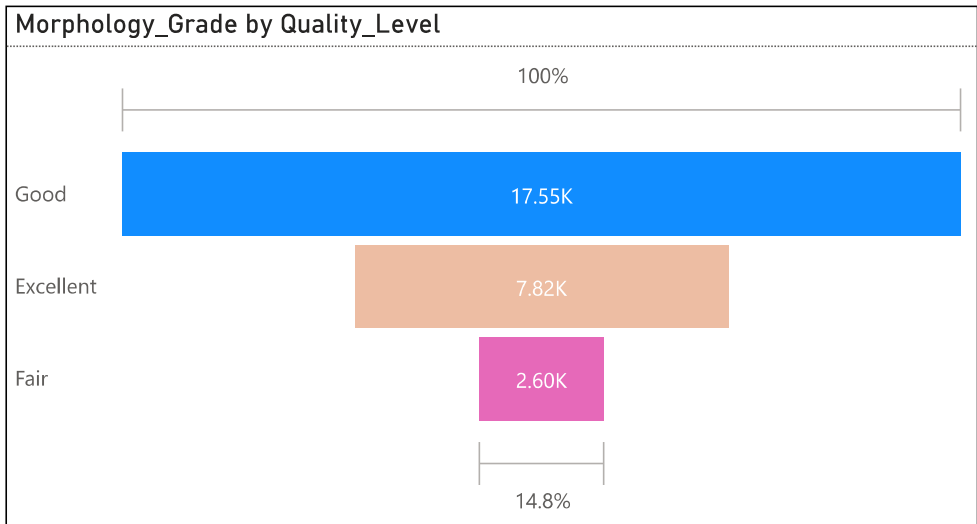
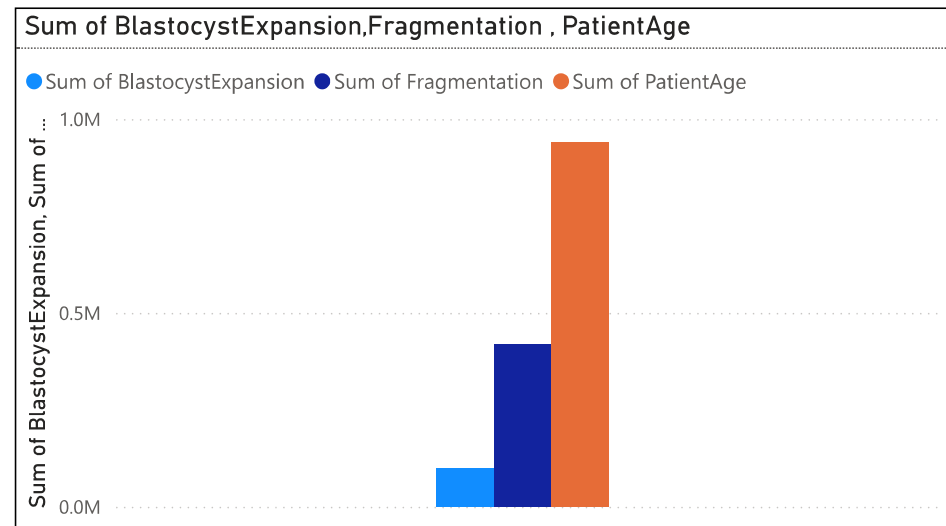
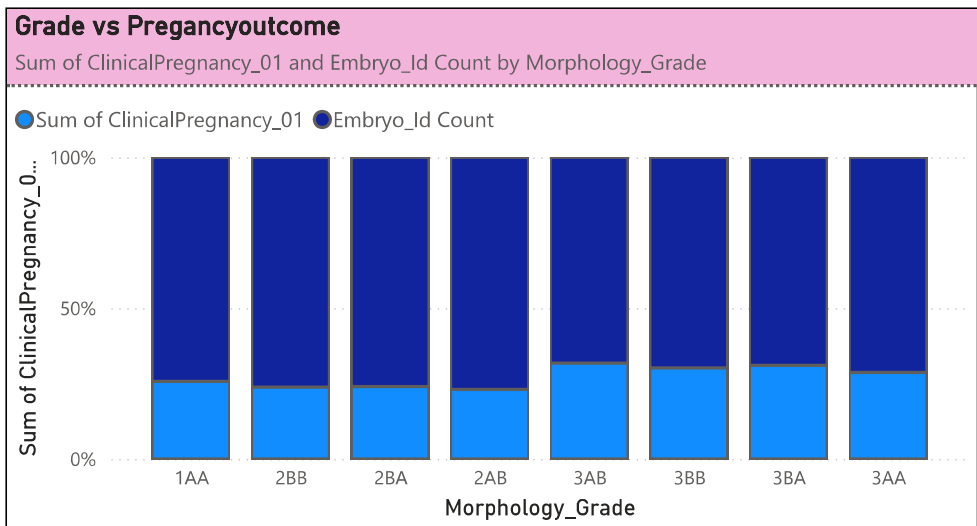
Total no.of MorphologyGrade by EmbryologistID



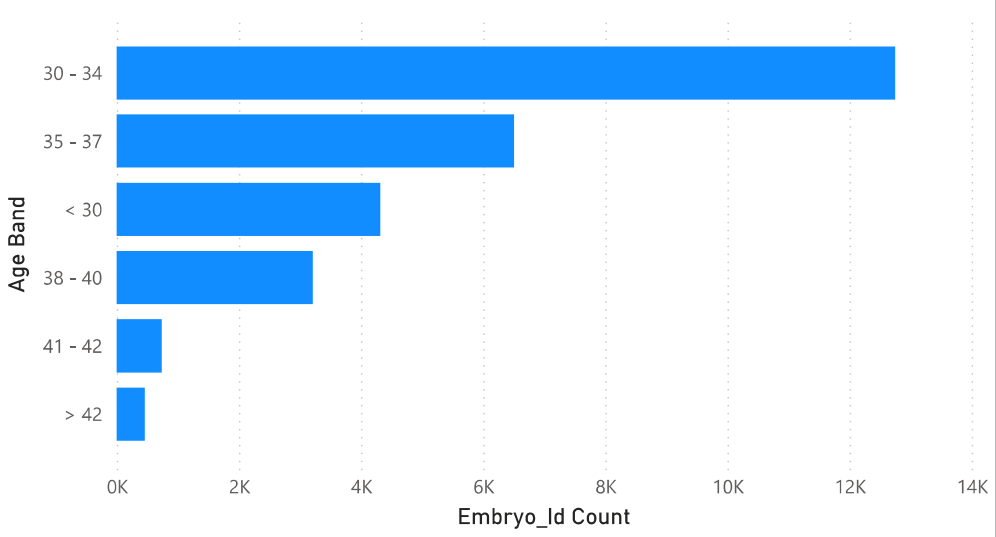


Year	Embryo_Id Count	Morphology_Grade	AIGrade	Qual
2022	1	1AA	A	Excel
2022	7	1AA	B	Excel
2022	3	1AA	C	Excel
2022	5	2AB	A	Good
2022	3	2AB	C	Good
2022	3	2BA	A	Good
2022	3	2BA	B	Good
2022	3	2BA	C	Good
2022	6	2BB	A	Good
2022	5	2BB	B	Good
2022	5	2BB	C	Good
2022	2	3AA	A	Fair
2022	1	3AB	C	Fair
2022	2	3BA	C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

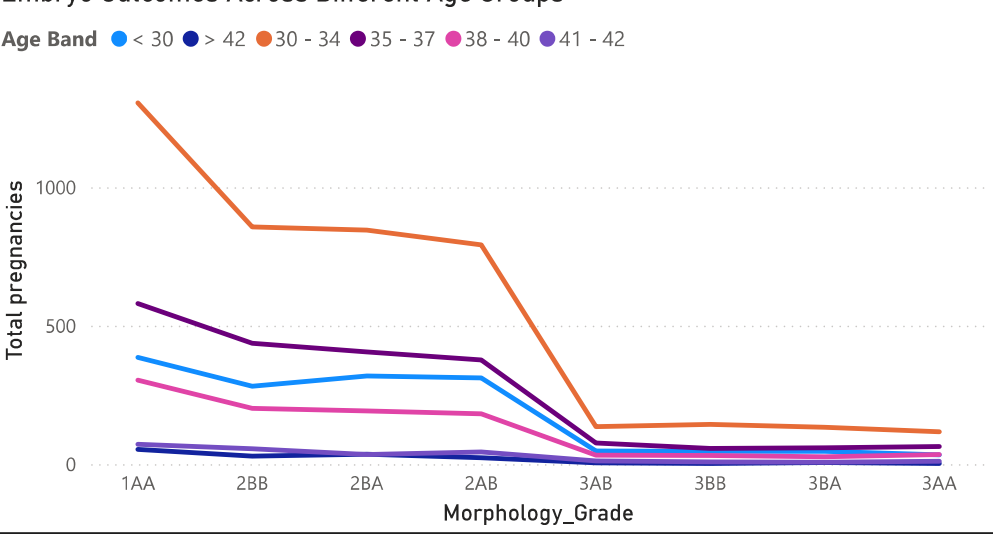




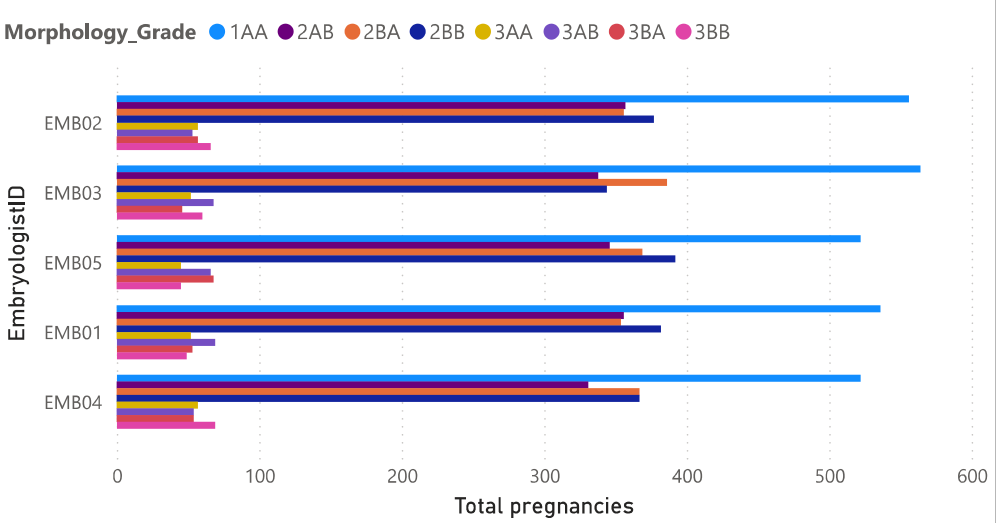
Embryo Count by Age Band



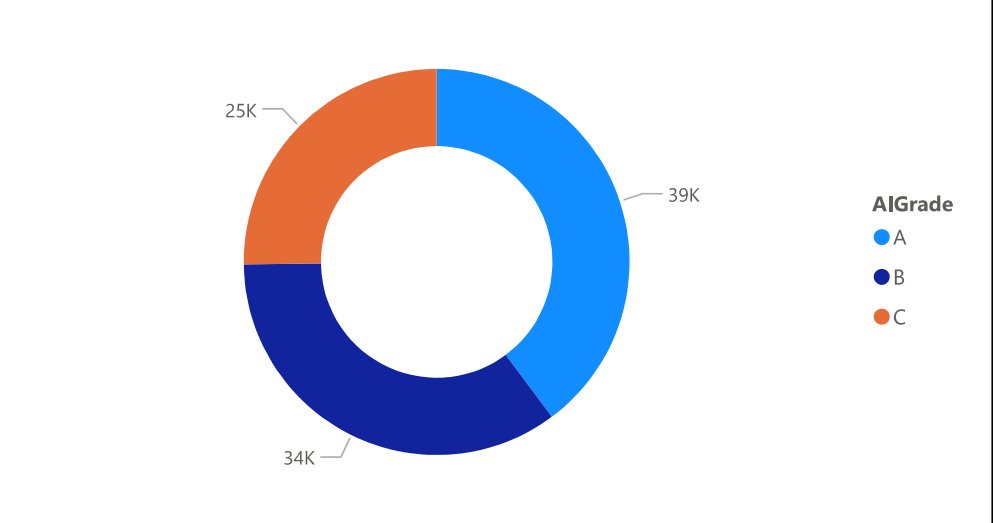
Embryo Outcomes Across Different Age Groups

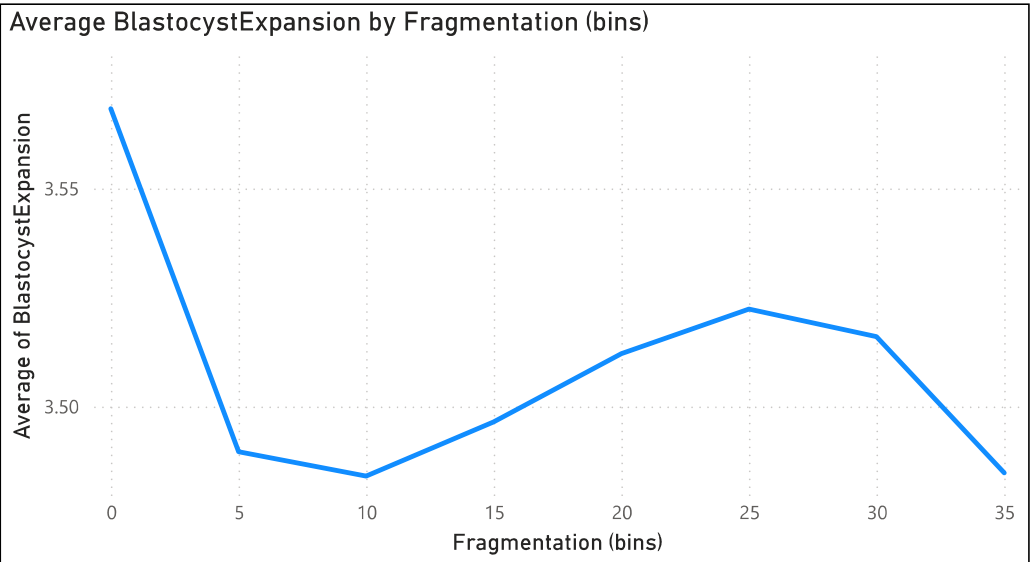
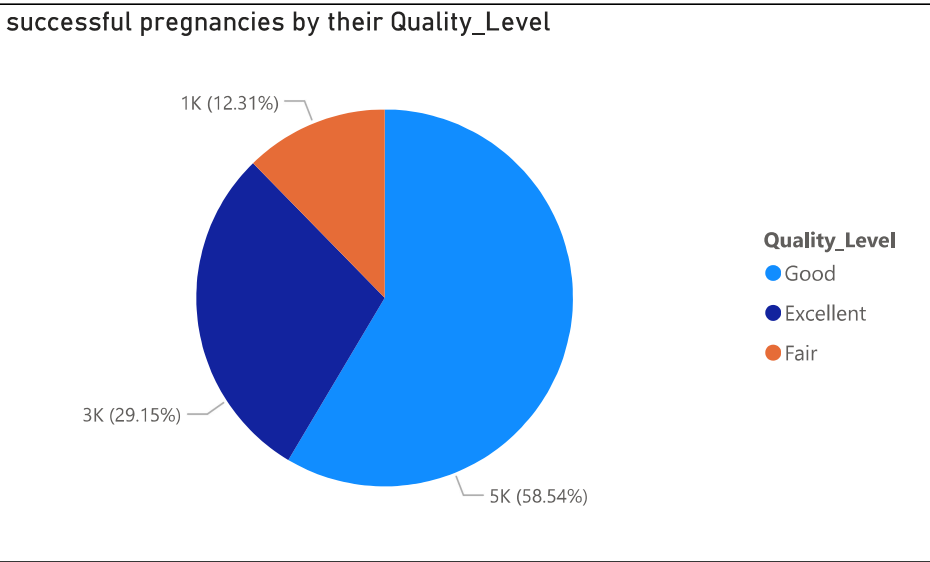
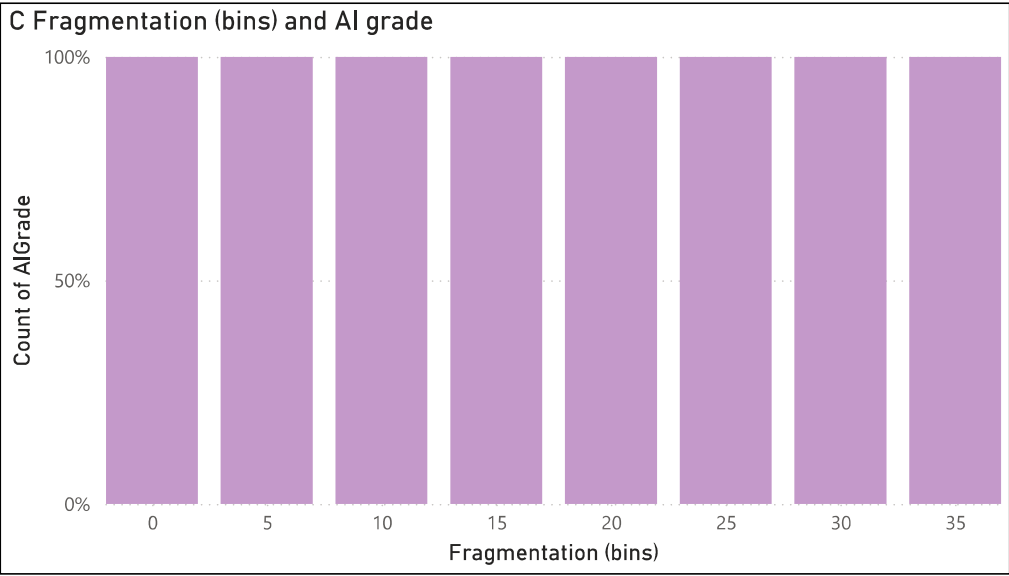
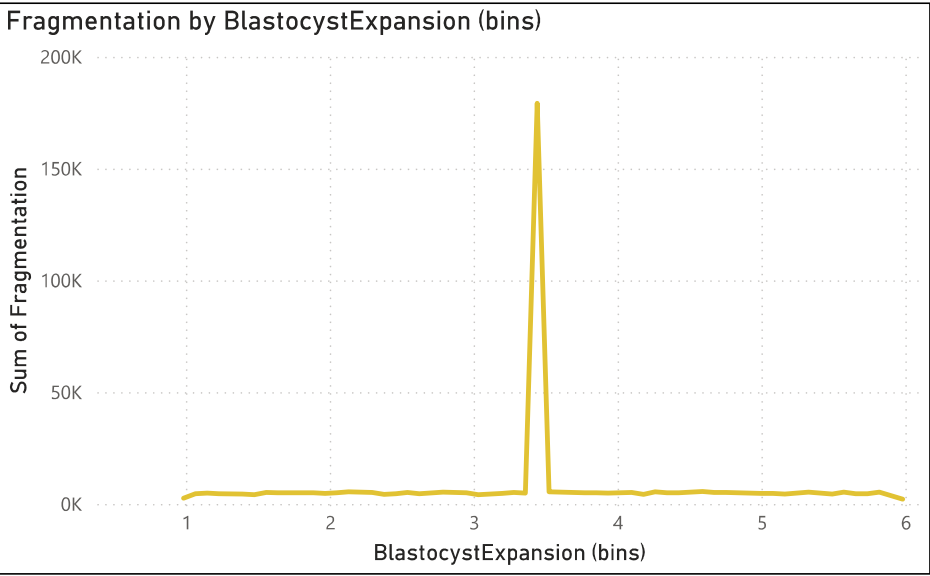


Embryologist Calibration Opportunity



BlastocystExpansion by AIGrade





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

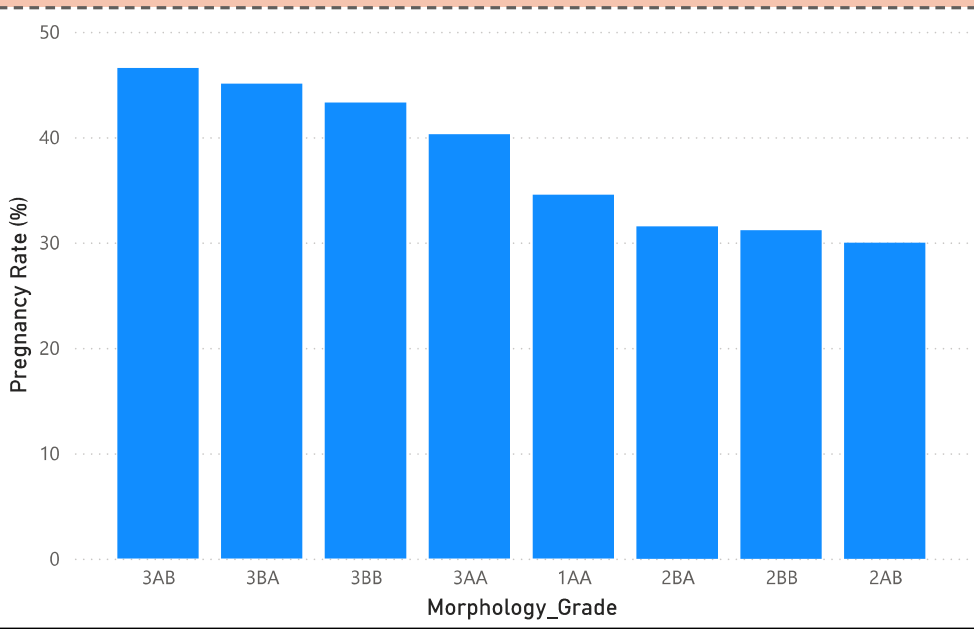
☐ C

PatientAge

22

50

Pregnancy Rate (%) by Morphology_Grade



Pregnancy Rate (%) by AIGrade

