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| **AMDM Unit 4 Assignment Sheet**  **Using Recursion in Models and Decision Making** | | | |
| **Day** | **Date** | **Topic** | **Assignment** |
| 1 | M  1/8 | PPT – Using Scatterplots    How do we use scatter plots in reports? (bivariate data) | 4.A student activity sheet 1 (#1 – 6) |
| 2 | T  1/9 | Finish - How do we use scatter plots in reports? (bivariate data) | 4.A student act. sheet 1  (#7 - 13) |
| 3 | W  1/10 | How do we use recursion in linear functions? | 4.A Student act. sheet 2 |
| 4 | Th  1/11 | How do we use recursion in linear functions? | Recursive and Explicit  Sequences |
| 5 | F  1/12 | How do we use recursion in linear functions? | Recursive and Explicit  Sequences  Intro to exponential recursion |
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|  | M  1/15 | MLK HOLIDAY ☺  No School |  |
| 6 | T  1/16 | How do we use recursion in exponential functions? | 4.B Student act. sheet 3 (Part 1) |
| 7 | W  1/17 | How do we use recursion in exponential functions? | 4.B Student act. sheet 3 (Part 2)  Complete Activity for HW if needed and Turn In for a grade |
| 8 | Th  1/18 | SAS 4 - How do we use recursion models in decision making? | 4.B Student act. Sheet 4 and Exponential Functions Practice |
| 9 | F  1/19 | Recursion Review Linear vs. Exponential | Recursion Worksheet |
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| 10 | M  1/22 | Newton’s Law of Cooling | Unit 4 SAS 5 |
| 11 | T  1/23 | **Project Work Day** | **Recursion Project Due Beginning of Class TOMORROW** |
| 12 | W  1/24 | **Recursion Project DUE**  **(Quiz Grade)**  Trig Functions Review | Warm Up and Kuta Worksheet |
| 13 | Th  1/25 | Recursion in cyclical models – Ferris Wheel | Unit 4 SAS 7 |
| 14 | F  1/26 | Recursion in cyclical models – Ferris Wheel | Unit 4 SAS 7 |
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| 15 | M  1/29 | Unit 4 Test Review | Finish Review |
| 16 | T  1/30 | Unit 4 Test Review | Finish Review and STUDY! |
| 17 | W  1/31 | **Unit 4 Test** | No Homework ☺ |