

# Arius

## Table List



IT TAKES VISION

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- 374 Weights - Cape Cod Using Ultimate Loss and Salvage & Subrogation
- 371 Weights - Cape Cod Using Ultimate Premiums and Incurred ALAE
- 367 Weights - Cape Cod Using Ultimate Premiums and Incurred Loss
- 370 Weights - Cape Cod Using Ultimate Premiums and Paid ALAE
- 366 Weights - Cape Cod Using Ultimate Premiums and Paid Loss
- 291 Weights - Trended Expected ALAE per Exposure
- 293 Weights - Trended Expected ALAE to Loss Ratio
- 292 Weights - Trended Expected ALAE to Premium Ratio
- 297 Weights - Trended Expected Average Loss
- 294 Weights - Trended Expected Claim Frequency
- 295 Weights - Trended Expected Loss Rate
- 296 Weights - Trended Expected Loss Ratio
- 298 Weights - Trended Expected Salvage & Subrogation to Loss Ratio

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- 33 Historical Ultimate ALAE
- 34 Historical Ultimate Claims
- 35 Historical Ultimate Loss
- 36 Historical Ultimate Premiums
- 37 Historical Ultimate Salvage & Subrogation
- 471 Indicated Case and IBNR ALAE Reserves
- 479 Indicated Case and IBNR Loss and ALAE Net of S&S Reserves
- 469 Indicated Case and IBNR Loss Reserves
- 472 Indicated IBNR ALAE Reserves
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- 408 Prior Present Value of Future Payments of ULAE using Prior Shifted Effective Interest Rate
- 409 Prior Present Value of Future Payments of ULAE using Prior Subsequent Effective Interest Rate
- 404 Prior Present Value of Risk Adjusted Future Payments of Loss and ALAE Net of S&S using Prior Effective Interest Rate
- 405 Prior Present Value of Risk Adjusted Future Payments of Loss and ALAE Net of S&S using Prior Shifted Effective Interest Rate



**Results (continued)**

406	Prior Present Value of Risk Adjusted Future Payments of Loss and ALAE Net of S&S using Prior Subsequent Effective Interest Rate
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72	Prior Ultimate Claims
73	Prior Ultimate Exposures
74	Prior Ultimate Loss
75	Prior Ultimate Premiums
76	Prior Ultimate Salvage & Subrogation
23	Ultimate ALAE
24	Ultimate Claims
25	Ultimate Loss
26	Ultimate Premiums
27	Ultimate Salvage & Subrogation

**EXHIBITS AND DIAGNOSTICS****ALAE****ALAE/Loss Ratios**


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215	Case ALAE Reserves to Case Loss Reserves
209	Cumulative Incurred ALAE to Cumulative Incurred Loss
212	Cumulative Incurred Plus IBNR ALAE to Cumulative Incurred Plus IBNR Loss
206	Cumulative Paid ALAE to Cumulative Paid Loss
208	Incurred ALAE to Incurred Loss
211	Incurred Plus IBNR ALAE to Incurred Plus IBNR Loss
216	Indicated ALAE Reserves to Indicated Loss Reserves
205	Paid ALAE to Paid Loss
214	Ultimate ALAE to Ultimate Loss

**ALAE/Premiums Ratios**


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168	Cumulative Incurred ALAE to Ultimate Premiums
170	Cumulative Incurred Plus IBNR ALAE to Ultimate Premiums
166	Cumulative Paid ALAE to Ultimate Premiums
167	Incurred ALAE to Ultimate Premiums
169	Incurred Plus IBNR ALAE to Ultimate Premiums
171	Indicated ALAE Reserves to Ultimate Premiums

**ALAE/Premium Ratios (continued)**


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172	Indicated IBNR ALAE Reserves to Ultimate Premiums
165	Paid ALAE to Ultimate Premiums
173	Ultimate ALAE to Ultimate Premiums

**Amounts**


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164	Incurred Plus IBNR ALAE Less Ultimate ALAE
144	Indicated ALAE Reserves
163	Ultimate ALAE Less Cumulative Incurred ALAE

**Averages**


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257	Berquist-Sherman Adjusted Case ALAE Reserves per Open Claim
192	Case ALAE Reserves per Open Claim
193	Case and IBNR ALAE Reserves per Open and IBNR Claims
183	Cumulative Incurred ALAE per Cumulative Reported Claims
199	Cumulative Incurred ALAE per Exposure
189	Cumulative Incurred ALAE per Ultimate Claims
185	Cumulative Incurred Plus IBNR ALAE per Cumulative Reported Claims
202	Cumulative Incurred Plus IBNR ALAE per Exposure
190	Cumulative Incurred Plus IBNR ALAE per Ultimate Claims
175	Cumulative Paid ALAE per Cumulative Closed Claims
178	Cumulative Paid ALAE per Cumulative Closed Claims with Payments
180	Cumulative Paid ALAE per Cumulative Reported Claims
196	Cumulative Paid ALAE per Exposure
187	Cumulative Paid ALAE per Ultimate Claims
198	Incurred ALAE per Exposure
182	Incurred ALAE per Reported Claim
188	Incurred ALAE per Ultimate Claims
201	Incurred Plus IBNR ALAE per Exposure
152	Indicated ALAE Reserves per Exposure
194	Indicated ALAE Reserves per Open and IBNR Claims
177	Paid ALAE per Claim Closed with Payments
174	Paid ALAE per Closed Claim
195	Paid ALAE per Exposure
179	Paid ALAE per Reported Claim
186	Paid ALAE per Ultimate Claims
204	Ultimate ALAE per Exposure
191	Ultimate ALAE per Ultimate Claims

**Development**


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259	Berquist-Sherman Adjusted Incurred ALAE Development
184	Cumulative Incurred ALAE per Cumulative Reported Claims Development
176	Cumulative Paid ALAE per Cumulative Closed Claims Development
181	Cumulative Paid ALAE per Cumulative Reported Claims Development
138	Incurred ALAE Development
200	Incurred ALAE per Exposure Development
210	Incurred ALAE to Incurred Loss Development
158	Incurred Plus IBNR ALAE Development
203	Incurred Plus IBNR ALAE Exposure Development
213	Incurred Plus IBNR ALAE to Incurred Plus IBNR Loss Development
135	Paid ALAE Development
197	Paid ALAE per Exposure Development
207	Paid ALAE to Paid Loss Development

**Other Ratios**


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145	Case ALAE Reserves to Case and IBNR ALAE Reserves
148	Case ALAE Reserves to Cumulative Paid ALAE
146	Case ALAE Reserves to Indicated ALAE Reserves
149	Case and IBNR ALAE Reserves to Cumulative Paid ALAE
147	Case and IBNR ALAE Reserves to Indicated ALAE Reserves
159	Cumulative Incurred ALAE to Cumulative Incurred Plus IBNR ALAE
161	Cumulative Incurred ALAE to Ultimate ALAE
162	Cumulative Incurred Plus IBNR ALAE to Ultimate ALAE
140	Cumulative Paid ALAE to Cumulative Incurred ALAE
160	Cumulative Paid ALAE to Ultimate ALAE
151	Indicated ALAE Reserves to Case ALAE Reserves
150	Indicated ALAE Reserves to Cumulative Paid ALAE
139	Paid ALAE to Incurred ALAE
153	Paid ALAE to Prior Case ALAE Reserves
154	Paid ALAE to Prior Case and IBNR ALAE Reserves
155	Paid ALAE to Prior Indicated ALAE Reserves

## Claims

### Amounts

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- 15 Cumulative Closed Claims without Payments
- 14 Number of Closed Claims without Payment

### Development

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- 3 Closed Claim Development
- 11 Closed Claims with Payment Development
- 16 Closed Claims without Payments Development
- 36 Cumulative Reported Claims per Exposure Development
- 6 Reported Claim Development

### Ratios

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- 23 Closed Claims to Prior Open and IBNR Claims
- 22 Closed Claims to Prior Open Claims
- 7 Closed Claims to Reported Claims
- 24 Closed Claims to Ultimate Claims
- 26 Closed Claims with Payments to Ultimate Claims
- 31 Cumulative Closed Claims per Exposure
- 8 Cumulative Closed Claims to Cumulative Reported Claims
- 25 Cumulative Closed Claims to Ultimate Claims
- 32 Cumulative Closed Claims with Payments per Exposure
- 12 Cumulative Closed Claims with Payments to Cumulative Closed Claims
- 13 Cumulative Closed Claims with Payments to Cumulative Reported Claims
- 27 Cumulative Closed Claims with Payments to Ultimate Claims
- 33 Cumulative Closed Claims without Payment per Exposure
- 17 Cumulative Closed Claims without Payments to Cumulative Closed Claims
- 18 Cumulative Closed Claims without Payments to Cumulative Reported Claims
- 28 Cumulative Closed Claims without Payments to Ultimate Claims
- 35 Cumulative Reported Claims per Exposure
- 30 Cumulative Reported Claims to Ultimate Claims
- 21 Open Claims to Open and IBNR Claims
- 34 Reported Claims per Exposure
- 29 Reported Claims to Ultimate Claims
- 37 Ultimate Claims per Exposure

**Losses****Amounts**

- 
- 69 Incurred Plus IBNR Loss Less Ultimate Loss
  - 49 Indicated Loss Reserve
  - 68 Ultimate Loss Less Cumulative Incurred Loss

**Averages**

- 
- 256 Berquist-Sherman Adjusted Case Loss Reserves per Open Claim
  - 118 Case and IBNR Loss Reserves per Open and IBNR Claims
  - 117 Case Loss Reserves per Open Claim
  - 108 Cumulative Incurred Loss per Cumulative Reported Claims
  - 124 Cumulative Incurred Loss per Exposure
  - 114 Cumulative Incurred Loss per Ultimate Claims
  - 110 Cumulative Incurred Plus IBNR Loss per Cumulative Reported Claims
  - 127 Cumulative Incurred Plus IBNR Loss per Exposure
  - 115 Cumulative Incurred Plus IBNR Loss per Ultimate Claims
  - 100 Cumulative Paid Loss per Cumulative Closed Claims
  - 103 Cumulative Paid Loss per Cumulative Closed Claims with Payments
  - 105 Cumulative Paid Loss per Cumulative Reported Claims
  - 121 Cumulative Paid Loss per Exposure
  - 112 Cumulative Paid Loss per Ultimate Claims
  - 123 Incurred Loss per Exposure
  - 107 Incurred Loss per Reported Claim
  - 113 Incurred Loss per Ultimate Claims
  - 126 Incurred Plus IBNR Loss per Exposure
  - 57 Indicated Loss Reserves per Exposure
  - 119 Indicated Loss Reserves per Open and IBNR Claims
  - 102 Paid Loss per Claim Closed with Payments
  - 99 Paid Loss per Closed Claim
  - 120 Paid Loss per Exposure
  - 104 Paid Loss per Reported Claim
  - 111 Paid Loss per Ultimate Claims
  - 132 Ultimate Loss per Exposure
  - 116 Ultimate Loss per Ultimate Claims

**Development**

- 
- 258 Berquist-Sherman Adjusted Incurred Loss Development
  - 109 Cumulative Incurred Loss per Cumulative Reported Claims Development
  - 101 Cumulative Paid Loss per Cumulative Closed Claims Development
  - 106 Cumulative Paid Loss per Cumulative Reported Claims Development

### Development (continued)

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43	Incurred Loss Development
125	Incurred Loss per Exposure Development
241	Incurred Loss to Earned Premium Development
238	Incurred Loss to Written Premium Development
63	Incurred Plus IBNR Loss Development
128	Incurred Plus IBNR Loss per Exposure Development
242	Incurred Plus IBNR Loss to Earned Premium Development
239	Incurred Plus IBNR Loss to Written Premium Development
40	Paid Loss Development
122	Paid Loss per Exposure Development
240	Paid Loss to Earned Premium Development
237	Paid Loss to Written Premium Development

### Loss/Premiums Ratios

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252	Cumulative Incurred Loss to Cumulative Earned Premium
246	Cumulative Incurred Loss to Cumulative Written Premium
85	Cumulative Incurred Loss to Ultimate Premiums
254	Cumulative Incurred Plus IBNR Loss to Cumulative Earned Premium
248	Cumulative Incurred Plus IBNR Loss to Cumulative Written Premium
87	Cumulative Incurred Plus IBNR Loss to Ultimate Premiums
250	Cumulative Paid Loss to Cumulative Earned Premium
244	Cumulative Paid Loss to Cumulative Written Premium
83	Cumulative Paid Loss to Ultimate Premiums
251	Incurred Loss to Cumulative Earned Premium
245	Incurred Loss to Cumulative Written Premium
84	Incurred Loss to Ultimate Premiums
253	Incurred Plus IBNR Loss to Cumulative Earned Premium
247	Incurred Plus IBNR Loss to Cumulative Written Premium
86	Incurred Plus IBNR Loss to Ultimate Premiums
89	Indicated IBNR Loss Reserves to Ultimate Premiums
88	Indicated Loss Reserves to Ultimate Premiums
249	Paid Loss to Cumulative Earned Premium
243	Paid Loss to Cumulative Written Premium
82	Paid Loss to Ultimate Premiums
92	Ultimate Loss to Ultimate Premiums

**Other Ratios**


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54	Case and IBNR Loss Reserves to Cumulative Paid Loss
52	Case and IBNR Loss Reserves to Indicated Loss Reserves
50	Case Loss Reserves to Case and IBNR Loss Reserves
53	Case Loss Reserves to Cumulative Paid Loss
51	Case Loss Reserves to Indicated Loss Reserves
64	Cumulative Incurred Loss to Cumulative Incurred Plus IBNR Loss
66	Cumulative Incurred Loss to Ultimate Loss
67	Cumulative Incurred Plus IBNR Loss to Ultimate Loss
45	Cumulative Paid Loss to Cumulative Incurred Loss
65	Cumulative Paid Loss to Ultimate Loss
56	Indicated Loss Reserves to Case Loss Reserve
55	Indicated Loss Reserves to Cumulative Paid Loss
44	Paid Loss to Incurred Loss
59	Paid Loss to Prior Case and IBNR Loss Reserves
58	Paid Loss to Prior Case Reserves
60	Paid Loss to Prior Indicated Loss Reserves

**Premiums and Exposures**


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262	Cumulative Earned Exposures to Ultimate Exposures
236	Cumulative Earned Premium per Exposure
234	Cumulative Earned Premium to Ultimate Premiums
263	Cumulative Written Exposures to Ultimate Exposures
231	Cumulative Written Premium per Exposure
229	Cumulative Written Premium to Ultimate Premiums
260	Earned Exposure Development
232	Earned Premium Development
235	Earned Premium per Exposure
233	Earned Premium to Ultimate Premiums
131	Ultimate Premium per Exposure
261	Written Exposure Development
227	Written Premium Development
230	Written Premium per Exposure
228	Written Premium to Ultimate Premiums

## Salvage & Subrogation

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- 255 Cumulative Salvage & Subrogation to Ultimate Salvage & Subrogation
- 97 Cumulative Salvage and Subrogation to Cumulative Paid Loss
- 95 Salvage and Subrogation Development
- 96 Salvage and Subrogation to Paid Loss
- 98 Salvage and Subrogation to Paid Loss Development

## ACTUAL VS EXPECTED (AvE)

### Direct

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- 94 Actual vs Expected Using Prior Average Incurred Loss per Reported Claims Development
- 92 Actual vs Expected Using Prior Average Paid Loss per Closed Claims Development
- 93 Actual vs Expected Using Prior Average Paid Loss per Reported Claim Development
- 86 Actual vs Expected Using Prior Closed Claim Development
- 88 Actual vs Expected Using Prior Closed Claims with Payment Development
- 102 Actual vs Expected Using Prior Earned Premium Development
- 81 Actual vs Expected Using Prior Incurred ALAE Development
- 84 Actual vs Expected Using Prior Incurred ALAE to Incurred Loss Development
- 90 Actual vs Expected Using Prior Incurred Loss Development
- 82 Actual vs Expected Using Prior Incurred Plus IBNR ALAE Development
- 85 Actual vs Expected Using Prior Incurred Plus IBNR ALAE to Incurred Plus IBNR Loss Development
- 91 Actual vs Expected Using Prior Incurred Plus IBNR Loss Development
- 80 Actual vs Expected Using Prior Paid ALAE Development
- 83 Actual vs Expected Using Prior Paid ALAE to Paid Loss Development
- 89 Actual vs Expected Using Prior Paid Loss Development
- 99 Actual vs Expected Using Prior Ratio of Incurred Loss to Earned Premium Development
- 96 Actual vs Expected Using Prior Ratio of Incurred Loss to Written Premium Development
- 100 Actual vs Expected Using Prior Ratio of Incurred Plus IBNR Loss to Earned Premium Development
- 97 Actual vs Expected Using Prior Ratio of Incurred Plus IBNR Loss to Written Premium Development
- 98 Actual vs Expected Using Prior Ratio of Paid Loss to Earned Premium Development
- 95 Actual vs Expected Using Prior Ratio of Paid Loss to Written Premium Development
- 104 Actual vs Expected Using Prior Ratio of Salvage & Subrogation to Paid Loss Development
- 87 Actual vs Expected Using Prior Reported Claim Development
- 103 Actual vs Expected Using Prior Salvage & Subrogation Development
- 101 Actual vs Expected Using Prior Written Premium Development



## Indirect

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107	Actual vs Expected Using Prior Implied Closed Claim Development and Prior Indicated Reserves
113	Actual vs Expected Using Prior Implied Earned Premium Development and Prior Indicated Reserves
106	Actual vs Expected Using Prior Implied Incurred ALAE Development and Prior Indicated Reserves
110	Actual vs Expected Using Prior Implied Incurred Loss Development and Prior Indicated Reserves
105	Actual vs Expected Using Prior Implied Paid ALAE Development and Prior Indicated Reserves
109	Actual vs Expected Using Prior Implied Paid Loss Development and Prior Indicated Reserves
108	Actual vs Expected Using Prior Implied Reported Claim Development and Prior Indicated Reserves
111	Actual vs Expected Using Prior Implied Salvage & Subrogation Development and Prior Indicated Reserves
112	Actual vs Expected Using Prior Implied Written Premium Development and Prior Indicated Reserves
116	Actual vs Expected Using Prior Selected Closed Claim Development and Prior Indicated Reserves
122	Actual vs Expected Using Prior Selected Earned Premium Development and Prior Indicated Reserves
115	Actual vs Expected Using Prior Selected Incurred ALAE Development and Prior Indicated Reserves
119	Actual vs Expected Using Prior Selected Incurred Loss Development and Prior Indicated Reserves
114	Actual vs Expected Using Prior Selected Paid ALAE Development and Prior Indicated Reserves
118	Actual vs Expected Using Prior Selected Paid Loss Development and Prior Indicated Reserves
117	Actual vs Expected Using Prior Selected Reported Claim Development and Prior Indicated Reserves
120	Actual vs Expected Using Prior Selected Salvage & Subrogation Development and Prior Indicated Reserves
121	Actual vs Expected Using Prior Selected Written Premium Development and Prior Indicated Reserves

## ACTUARIAL METHODS

### ALAE

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124	Berquist-Sherman Adjusted Incurred ALAE Development
40	Bornhuetter-Ferguson Using Exposures and Incurred ALAE
39	Bornhuetter-Ferguson Using Exposures and Paid ALAE
44	Bornhuetter-Ferguson Using Ultimate Loss and Incurred ALAE
43	Bornhuetter-Ferguson Using Ultimate Loss and Paid ALAE
42	Bornhuetter-Ferguson Using Ultimate Premiums and Incurred ALAE
41	Bornhuetter-Ferguson Using Ultimate Premiums and Paid ALAE
79	Case ALAE Reserve Development
73	Generalized Cape Cod Using Ultimate Loss and Incurred ALAE
72	Generalized Cape Cod Using Ultimate Loss and Paid ALAE
71	Generalized Cape Cod Using Ultimate Premiums and Incurred ALAE
70	Generalized Cape Cod Using Ultimate Premiums and Paid ALAE
31	Incurred ALAE Development
32	Incurred Plus IBNR ALAE Development
30	Paid ALAE Development

**ALAE (continued)**

- 45 Ratio of Incremental Paid ALAE to Paid Loss
- 34 Ratio of Incurred ALAE to Incurred Loss Development
- 35 Ratio of Incurred Plus IBNR ALAE to Incurred Plus IBNR Loss Development
- 33 Ratio of Paid ALAE to Paid Loss Development

**Assumptions**

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- 137 Preliminary Selected ALAE per Exposure
- 139 Preliminary Selected ALAE to Loss Ratio
- 138 Preliminary Selected ALAE to Premium Ratio
- 143 Preliminary Selected Average Loss
- 140 Preliminary Selected Claim Frequency
- 141 Preliminary Selected Loss Rate
- 142 Preliminary Selected Loss Ratio
- 144 Preliminary Selected Salvage & Subrogation to Loss Ratio
- 145 Prior Ultimate ALAE per Exposure
- 147 Prior Ultimate ALAE to Loss Ratio
- 146 Prior Ultimate ALAE to Premium Ratio
- 151 Prior Ultimate Average Loss
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**Canadian (PfAD)**

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### IFRS 17

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## 2. Stochastic Tables

### ODP BOOTSTRAP

#### Model Assumptions

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General  
Bornhuetter-Ferguson  
Cape Cod

#### Paid Loss

#### Diagnostics

---

Actual vs Expected Triangle  
Age-to-Age Factors  
Fit Statistics  
Fitted Incrementals  
Heteroscedasticity  
Hetero-Adjusted Residuals  
Normality  
Outliers  
Residual Graphs  
Residual Relativities  
Residuals  
Tail Factor

#### Chain Ladder

---

Cashflow  
CDR  
Deterministic Calculations  
Incrementals  
Loss Ratios  
Run-off  
Unpaid Graph  
Unpaid Table

#### Bornhuetter-Ferguson

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Cashflow  
CDR  
Deterministic Calculations  
Incrementals  
Loss Ratios  
Run-off

**Bornhuetter-Ferguson (continued)**

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Unpaid Graph

Unpaid Table

**Cape Cod**

---

Cashflow

CDR

Deterministic Calculations

Incrementals

Loss Ratios

Run-off

Unpaid Graph

Unpaid Table

**Incurred Loss****Diagnostics**

---

Actual vs Expected Triangle

Age-to-Age Factors

Fit Statistics

Fitted Incrementals

Heteroscedasticity

Hetero-Adjusted Residuals

Normality

Outliers

Residual Graphs

Residual Relativities

Residuals

Tail Factor

**Chain Ladder**

---

Cashflow

CDR

Deterministic Calculations

Incrementals

Loss Ratios

Run-off

Unpaid Graph

Unpaid Table

**Bornhuetter-Ferguson**

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- Cashflow
- CDR
- Deterministic Calculations
- Incrementals
- Loss Ratios
- Run-off
- Unpaid Graph
- Unpaid Table

**Cape Cod**

---

- Cashflow
- CDR
- Deterministic Calculations
- Incrementals
- Loss Ratios
- Run-off
- Unpaid Graph
- Unpaid Table

**ODP Summary**

**Assumptions**

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- Model Weights

**Results**

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- Cashflow
- CDR
- Deterministic Calculations
- Incrementals
- Loss Ratios
- Run-off
- Summary Graph
- Summary of Results by Model
- Unpaid Graph
- Unpaid Table

**Settings**

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- Settings

## GENERALIZED LINEAR MODEL

### Parameterization

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Development Period Residual Plot  
Exposure Period Residual Plot  
GLM Assumptions  
GLM Parameter Review  
GLM Tail Parameterization  
Payment Period Residual Plot  
Weights

### Diagnostics

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Actual vs Expected Triangle  
Box-Whisker Plot  
Deviance Residuals  
Fitted Incrementals  
Model Fit Diagnostics  
Pearson Residuals  
Q-Q Plot

### Results

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Cashflow  
Deterministic Calculations  
Incrementals  
Loss Ratios  
Run-off  
Unpaid Graph  
Unpaid Table

## MACK BOOTSTRAP

### Model Assumptions

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General

### Paid Loss

### Diagnostics

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Age-to-Age Factors  
Normality  
Residual Graphs  
Residual Relativities  
Residuals  
Tail Factor

**Ultimate**

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Cashflow  
Incrementals  
Loss Ratios  
Run-off  
Unpaid Graph  
Unpaid Table

**Time Horizon**

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Cashflow  
CDR  
Incrementals  
Loss Ratios  
Run-off  
Unpaid Graph  
Unpaid Table

**HAYNE MAXIMUM LIKELIHOOD ESTIMATION MODELS****Incremental Frequency****Berquist Sherman**

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Claim Ratios  
Count Flow  
Fit Details  
Incrementals  
Normality  
Outliers  
Residual Graphs  
Residuals  
Run-off  
Ultimate Table  
Unreported Graph  
Unreported Table

**Cape Cod**

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Claim Ratios  
Count Flow  
Fit Details  
Incrementals

**Cape Cod (continued)**

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Normality  
Outliers  
Residual Graphs  
Residuals  
Run-off  
Ultimate Table  
Unreported Graph  
Unreported Table

**Chain Ladder**

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Claim Ratios  
Count Flow  
Fit Details  
Incrementals  
Normality  
Outliers  
Residual Graphs  
Residuals  
Run-off  
Ultimate Table  
Unreported Graph  
Unreported Table

**Hoerl Curve**

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Claim Ratios  
Count Flow  
Fit Details  
Incrementals  
Normality  
Outliers  
Residual Graphs  
Residuals  
Run-off  
Ultimate Table  
Unreported Graph  
Unreported Table

## Incremental Severity

### Berquist Sherman

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Cash Flow  
Fit Details  
Incrementals  
Loss Ratios  
Normality  
Outliers  
Residual Graphs  
Residuals  
Run-off  
Ultimate Table  
Unpaid Graph  
Unpaid Table

### Cape Cod

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Cash Flow  
Fit Details  
Incrementals  
Loss Ratios  
Normality  
Outliers  
Residual Graphs  
Residuals  
Run-off  
Ultimate Table  
Unpaid Graph  
Unpaid Table

### Chain Ladder

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Cash Flow  
Fit Details  
Incrementals  
Loss Ratios  
Normality  
Outliers  
Residual Graphs  
Residuals  
Run-off  
Ultimate Table

**Chain Ladder (continued)**

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Unpaid Graph

Unpaid Table

**Hoerl Curve**

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Cash Flow

Fit Details

Incrementals

Loss Ratios

Normality

Outliers

Residual Graphs

Residuals

Run-off

Ultimate Table

Unpaid Graph

Unpaid Table