**Things to work on/fix for the 3Ps assessment**

**Data issues**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Data** | **Current Time frame** | **Current age** | **Thing to work on** | **Who is doing it** |
| Catch@age | 1959-2016 | 2-16 | * Plus group? * Extend till 2018? |  |
| Total landing | 1959-2017 | x | * 2 numbers for 2016 * Extend till 2018? |  |
| Survey index  RV\_IO  RV\_OFF | 1997-2018  1983-2018 | 1-16 | * Plus group? * Combine IO and OFF, because IO is just an extension of OFF.   + Noel suggested potential method for integrating the surveys that would involve creating a separate likelihood function to calculate q’s based on info from both OFF and IO.     - See separate file for code and figures showing the relationship between the two |  |
| Maturity | 1954-2019 | 1-15 | * Year variation => Noel spoke about improving those data by modeling |  |
| Stock weight:  Stock\_wt and middy\_wt | 1983-2016 | 1-16 | * From a cohort model of Noel (?) * improve * Extend ? |  |
| Stock weight: DFOstock\_wt | 1959-2017 | 2-14 | * Not reliable according to Noel * Improve by improving Length@A (following what Noel start doing) + apply W.L relationship? |  |
| Comm\_wt | 1959-2014 | 3-14 | * Missing age 2? * Extend till 2018? * Invariant W@A from 1959-1977 => to improve? |  |

* Improve weight @ ages, develop better method for extrapolating back to beginning of time-series

**Model development ideas**

* Time-varying F: we specifically discussed examining changes in selectivity
* West-coast proportion @ age modeling