Main Claim. In this paper, I show that two distinct mechanisms are needed to account for the pattern of noun-adjective agreement found in Noon (Cangin, Senegal). I argue that one form of agreement on adjectives is derived by a valuation of syntactic $\varphi$-probe on $A_0$, while another is derived via a post-syntactic process of feature copying. This lends support to the idea that the narrow syntactic operation Agree does not always coincide with morphological agreement (Chung To Appear).

Background. Much previous work presupposes that the same mechanism underlies noun-modifier agreement (often called concord) and argument predicate agreement (see, e.g. Baker 2008; Carstens 2013; Danon 2011; Toosarvandani and van Urk 2012). These accounts assume that the same operation underlies both types of agreement: usually a modified version of Agree (Chomsky 2001). An alternative approach, advocated by Norris (2014), argues that noun-modifier agreement cannot be unified with argument-predicate agreement. Norris proposes that noun-modifier agreement occurs in the morphology. He adopts a Distributed Morphology account in which an operation of Feature Copying values AGR-nodes which are inserted into the structure post-syntactically (Noyer 1997; Kramer 2010).

Adjective Agreement in Noon. Adjectives in Noon exhibit two types of agreement. First, adjectives take a prefix that encodes the class and number of the noun they modify. This prefix is obligatory in both predicative contexts, (1a), and attributive contexts, (1b):

(1) a. baay $\emptyset$ [fi]-yak
dog(C2S) COP C2S-big

‘A dog is big.’

(1b) [DP baay [fi]-yak ]
dog(C2S) C2S-big

‘a big dog.’

Second, attributive adjectives must agree in definiteness with the noun they modify. Definiteness is marked by a suffix on the head noun that reflects the the class/number along with three degrees of deixis. Adjectives must take an identical suffix, as shown by (2b). Predicative adjectives cannot take a definite suffix, even when the subject is definite, as shown by (2a).

(2) a. baay-faa $\emptyset$ fi-yak-*faa*
dog-DEF:C2S COP c2S-big

‘the dog (over there) is big.’

(2b) [DP baay-faa fi-yak-*faa* ]
dog-DEF:C2S C2S-big

‘The big dog (over there).’

The core observation is that prefixal agreement and definiteness agreement have different distributions: prefixal agreement is required in both attributive and predicative contexts, but definiteness agreement is only available for attributive adjectives (that is, DP-internally).

Assumptions. I assume that Noon DPs have the basic structure in (3). Attributive adjectives (AP) are adjoined to NP. The head-initial order of the Noon DP is derived via head movement of $N_0$ to $D_0$ via Num$^0$. Following Danon (2011), I assume class features originate on $N_0$ and number features on Num$^0$, but that the result of head movements is a single $\varphi$-bundle at the complex $D_0$:

(3) [DP N+Num+D$_{[\varphi{:val}] }$ [Num Num [NP [AP]]]]

The Noon DP
I assume adjectival predicates are formed via a head Pred$^0$ which takes an AP as its complement and the subject in its specifier, as shown in (4)

\[
(4) \quad [\text{PreP} \text{ DP}_{\text{SUBJ}} [\text{Pred} \{\overline{\text{AP}}\}]] \quad \text{Adjectival Predicates}
\]

**The Problem.** A unified approach to noun-modifier agreement fails to account for the asymmetry between attributive and predicative contexts observed above. Under a purely syntactic account, the head A$^0$ would be merged with two probes: one with unvalued φ-features (the prefix) and with unvalued φ-features and an unvalued definiteness-feature (the suffix). Such an account would then have to stipulate why both probes can be valued in attributive contexts, but only the prefix-related probe can find a value in the predicative contexts. A post-syntactic account faces a similar conundrum. In this type of account, both morphemes would be associated with their own AGR-node. Again, however, one would have to stipulate why the feature copying operation responsible for valuing these AGR-nodes is unable to value the suffixal node in predicative contexts.

**Analysis.** I propose that the two different agreement morphemes on Noon adjectives derive from two distinct agreement mechanisms. Concretely, I argue that prefixal agreement spells out a φ-probe on A$^0$. Following Carstens (2013) and Toosarvandani and van Urk (2012), I assume a probe may be valued via Agree by a c-commanding head once it has unsuccessfully probed into its own c-command domain. A$^0$ is merged with unvalued φ-features, at which point these features probe and fail to find a suitable goal. In predicative contexts, A$^0$’s probe finds matching features when the c-commanding subject DP is merged in Spec-PredP, as shown in (5). In attributive contexts, A$^0$’s features are valued by the head created by movement of N$^0$ to D$^0$.

![Figure 1: Feature Copying to AGR on A](image)

Definiteness agreement is post-syntactic. Following Norris (2014), I assume that post-syntactic agreement involves the insertion of an AGR-node on the specified head. This AGR-node is subsequently valued via a Feature Copying operation. Valuation of an AGR-node by Feature Copying is dependent on a different structural relation than Agree. While Agree is sensitive to c-command, Feature Copying is sensitive to dominance: features are copied to the AGR-node from the closest dominating projection with suitable features. After Norris (2014), I assume there is a feature percolation process in the syntax by which features from the complex head [N+Num+D] percolate...
to the DP-phrase level so that they can be accessible outside the DP. In attributive contexts, the
AGR-node on $A^0$ is valued by the features of DP, as shown in (6). In predicative contexts, however,
the requisite dominance relation does not hold between the subject DP and $A^0$. Therefore, valuation
of any AGR-node inserted on a predicative adjective is impossible, as Feature Copying cannot
proceed. I argue that this is what blocks the insertion of the AGR-node. In other words, AGR-nodes
are only inserted when there are features able to be copied to them. Thus, AGR-nodes such as
the definiteness agreement suffix in Noon will only be available to DP-internal, i.e. attributive,
adjectives.

**Extensions.** The analysis developed here can also be extended to a well known difference between
Romance and West Germanic. Romance adjectives agree in both attributive and predicative con-
texts, whereas adjectives in West Germanic only agree in attributive contexts (Vikner 2001). Under
the present analysis, this means that $A^0$ is always merged with unvalued $\varphi$-features in Romance,
while in West Germanic, an AGR-node is inserted onto $A^0$ only in attributive contexts. Further sup-
port for this conclusion comes from the fact that West Germanic adjective agreement is sensitive
to definiteness, just like post-syntactic agreement in Noon.

More generally, it seems that post-syntactic agreement of the sort hypothesized above can in-
volve a wider array of features than narrow syntactic agreement. While definiteness agreement
occurs in attributive contexts in several languages (Kramer 2010), I know of no language where
it occurs with adjectival predicates. Positing a difference between two distinct agreement mech-
nisms moves us toward an explanation of this asymmetry.

**Conclusion.** Noun-adjective in Noon agreement provides evidence for two distinct mechanisms
underlying agreement: one syntactic and one morphological. This supports the idea that Agree
does not always coincide with morphological agreement.

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